

# AIR QUALITY ASSESSMENT

## Otay Mesa Central Village Specific Plan Update to the Otay Mesa Community Planning Area

City of San Diego, CA

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## **LIST OF ACRONYMS**

Air Quality Impact Assessments (AQIA) Assembly  
Bill 32 (AB32)  
Best available control technology (T-BACT)  
California Air Resource Board (CARB)  
California Ambient Air Quality Standards (CAAQS)  
California Environmental Quality Act (CEQA)  
Carbon Dioxide (CO<sub>2</sub>)  
Central Village Specific Plan (CVSP)  
Cubic Yards (CY)  
Diesel Particulate Matter (DPM) Environmental  
Protection Agency (EPA)  
EPA Office of Air Quality Planning and Standards  
Environmental Impact Report (EIR)  
(OAQPS) Hazardous Air Pollutants (HAPs)  
Hydrogen Sulfide (H<sub>2</sub>S) International Residential  
Code (IRC) Level of Service (LOS)  
Low Carbon Fuel Standard (LCFS) Methane (CH<sub>4</sub>)  
National ambient air quality standards (NAAQS)  
Nitrous Oxide (N<sub>2</sub>O)  
North County Transit District (NCTD) Reactive  
Organic Gas (ROG)  
Otay Mesa Community Plan Update (OMCPU)  
Regional Air Quality Strategy (RAQS) San Diego  
Air Basin (SDAB)  
San Diego Air Pollution Control District (SDAPCD)  
South Coast Air Quality Management District (SCAQMD)  
Specific Plan Area (SPA)  
State Implementation Plan (SIP) Toxic Air  
Contaminants (TACs) Vehicle Miles Traveled (VMT)

## **EXECUTIVE SUMMARY**

The City of San Diego certified a Final Environmental Impact Report for the Otay Mesa Community Plan Update in 2014 (EIR). The EIR disclosed potential air quality impacts that would result from implementing the Otay Mesa Community Plan Update (March 2014, "OMCPU") and presented mitigation measures to address the impacts. After the application of mitigation measures, the OMCPU concluded that construction-related and operational-related air quality impacts would be significant and unavoidable. The OMCPU requires the City of San Diego to adopt a Specific Plan for the Central Village portion of the community. The purpose of this Air Quality impact analysis is to evaluate the currently proposed Central Village Specific Plan (CVSP) and determine if expected air quality impacts fall within the scope of impacts disclosed in the EIR, and whether any additional mitigation measures beyond those presented in the EIR are warranted. Future development proposals in the CVSP area would require discretionary approval and be subject to additional CEQA review.

The OMCPU and associated EIR assumed the following land uses within the Central Village portion of the OMCPU area:

- ~~5,246~~ 4,768 multi-family dwelling units
- 32.7 ksf of community commercial
- ~~32.3~~ 18.16 acres of active park space
- 1 elementary school

The CVSP is proposing to change the land uses within the Central Village area to the following:

- 425 multi-family dwelling units (<20 du/ac)
- 4,060 multi-family dwelling units (>20 du/ac)
- 139.7 ksf of community commercial
- 16.1 acres of active park space
- 1 elementary school

The land use modifications proposed by the CVSP in comparison to the mix of land uses assumed for the Central Village by the OMCPU EIR are summarized below.

- A reduction of ~~761~~ 283 Multi-family dwelling units
- An increase of 107 ksf of community commercial floor space
- A reduction of ~~16.2~~ 2.06 acres of active park space

Because the development area (229.2 acres) assumed by the OMCPU EIR and the development area (229.2 acres) proposed by the CVSP are substantially similar, it is assumed that construction activities associated with buildout of the Central Village would largely remain the same as assumed by the OMCPU EIR in the Central Village area. The EIR's analysis of construction emissions

assumed that sources of construction-related air emissions would include: a) fugitive dust from grading activities; b) construction equipment exhaust; c) construction-related trips by workers, delivery trucks, and material-hauling trucks; and d) construction-related power consumption. (RECON, 2013). Based on industry-standard construction practices, these are reasonable assumptions for sources of construction activity air emissions in the Central Village. Thus, the CVSP would not result in an increase of construction emissions as compared to what was assumed in the OMCPU EIR.

Comparing the operational air quality emissions disclosed by the OMCPU EIR to the air quality emissions expected with buildout of the CVSP project demonstrates that the proposed CVSP project would decrease emissions of criteria air pollutants by between 8 6% and 14 15%, primarily due to the reduction in traffic that would be generated by the CVSP in compared to the amount of traffic assumed to be generated by the Central Village by the OMCPU EIR. According to the CVSP's *Transportation Facilities Trigger Analysis* (Chen Ryan & Associates, 2017), the CVSP is calculated to generate 36,345 average daily vehicular trips (ADT), which is less traffic than was assumed for the Central Village by the OMCPU EIR, at ~~45,429~~ 41,109 ADT. The ADT calculated by CVSP's *Transportation Facilities Trigger Analysis* included an internal capture rate based on the SANDAG Select Zone Analysis to account for trips within the CVSP that will have both an origin and destination within the CVSP site, and not utilize external roadway facilities. The CVSP's 36,345 ADT includes a 9.4% internal trip capture rate, while the assumed Central Village by the OMCPU EIR's 41,109 ADT includes a 4.67% internal trip capture rate. This report concludes that although operational air emissions would be 8 6% to 14 15% less, impacts would still be significant and, as such, the mitigation measures presented in the OMCPU EIR with respect to air quality emissions would still be applicable to implementing development projects. Future development proposals in the CVSP area would require discretionary approval by the City and be subject to additional CEQA review.

The CVSP would not result in the emission of any increased toxic air emissions in comparison to the OMCPU. In fact, the reduction in traffic volumes that would occur under the CVSP would reduce the potential emissions of air pollutants associated with vehicle exhaust. Regarding the potential for uses in the CVSP to be exposed to toxic air contaminants, the conclusions drawn herein are consistent with those drawn by the OMCPU EIR; Policies and Design Standards incorporated into the CVSP and mitigation measures required by the OMCPU EIR would preclude the exposure of on-site sensitive receptors to carcinogenic and non-carcinogenic health risk levels that exceed significance thresholds. Nonetheless, the OMCPU EIR disclosed the potential for significant and unavoidable effects associated with the collection of residential, commercial, and industrial land uses. Policies and Design Standards provided in the CVSP address this concern.

## **1.0 INTRODUCTION**

### **1.1 Purpose of this Study**

The purpose of this Air Quality study is to determine whether the proposed Central Village Specific Plan (CVSP) project, which implements the Central Village portion of the Otay Mesa Community Plan Update (March 2014, "OMCPU"), would result in any new or more severe impacts associated with air quality emissions as compared to the impacts disclosed in the Environmental Impact Report (EIR) prepared for the OMCPU. Because the proposed CVSP implements and is fully consistent with the OMCPU, the comparative portion of the analysis in this report focuses on differences in air quality emissions and diesel particulate matter emissions disclosed by the OMCPU EIR in comparison to the quantity of construction and operational air quality and diesel particulate matter emissions calculated by Ldn Consulting for the proposed CVSP project.

### **1.2 Project Location**

The Central Village Specific Plan (CVSP) area is located in the southern portion of the City of San Diego, within Otay Mesa Community. The CVSP is situated immediately south of California State Route 905 (SR-905), approximately 2.4 miles east of Interstate 805 (I-805) and Interstate 5 (I-5), and 0.5 mile north of the United States and Mexico International Border. Specifically, the CVSP is bordered by SR-905 and Airway Road to the north, Cactus Road and Continental Road to the east, and Siempre Viva Road to the south, which terminates at its western extent at Cactus Road at the southwest corner of the CVSP boundary. A general vicinity map showing the Otay Mesa Community Plan boundaries is shown in Figure 1–A on the following page and a map showing the CVSP within the Otay Mesa Community Plan is shown in Figure 1-B.

### **1.3 Project Description**

The OMCPU and associated EIR assumed the following land uses within the Central Village portion of the OMCPU area:

- ~~5,246~~ 4,768 multi-family dwelling units
- 32.7 ksf of community commercial
- ~~32.3~~ 18.16 acres of active park space
- 1 elementary school

The CVSP is proposing to change the land uses within the Central Village area to the following:

- 425 multi-family dwelling units (<20 du/ac)
- 4,060 multi-family dwelling units (>20 du/ac)
- 139.7 ksf of community commercial
- 16.1 acres of active park space

- 1 elementary school

The land use modifications proposed by the CVSP in comparison to the mix of land uses assumed for the Central Village by the OMCPU EIR are summarized below.

- A reduction of ~~761~~ 283 Multi-family dwelling units
- An increase of 107 ksf of community commercial floor space
- A reduction of ~~16.2~~ 2.06 acres of active park space

Because the development area (229.2 acres) assumed by the OMCPU EIR and the development area (229.2 acres) proposed by the CVSP are substantially similar, it is assumed that construction activities associated with buildout of the Central Village would largely remain the same as assumed by the OMCPU EIR in the Central Village area. The EIR's analysis of construction emissions assumed that sources of construction-related air emissions would include: a) fugitive dust from grading activities; b) construction equipment exhaust; c) construction-related trips by workers, delivery trucks, and material-hauling trucks; and d) construction-related power consumption. (RECON, 2013). Based on industry-standard construction practices, these are reasonable assumptions for sources of construction activity air emissions in the Central Village.

In regards to long-term operation of land uses in the CVSP, the proposed land use changes described above were analyzed in the CVSP's *Transportation Facilities Trigger Analysis* (Chen Ryan & Associates, 2017), and as stated therein, the CVSP is calculated to generate 36,345 average daily vehicular trips (ADT), which is less traffic than was assumed for the Central Village by the OMCPU EIR, at ~~45,429~~ 41,109 ADT. The ADT calculated by CVSP's *Transportation Facilities Trigger Analysis* included an internal capture rate based on the SANDAG Select Zone Analysis to account for trips within the CVSP that will have both an origin and destination within the CVSP site, and not utilize external roadway facilities. The CVSP's 36,345 ADT includes a 9.4% internal trip capture rate, while the assumed Central Village by the OMCPU EIR's 41,109 ADT includes a 4.67% internal trip capture rate. Also, the transportation analysis found that the increased commercial square footage would increase internal traffic from 4.67% to 9.4% or an additional 1,547 ADT. Given this, fewer vehicles will travel outside of the CVSP boundaries. Less external traffic means that vehicles will travel fewer miles, resulting in less vehicle miles traveled (VMT) and a lesser quantity of mobile source (vehicle tailpipe) air pollutant emissions.

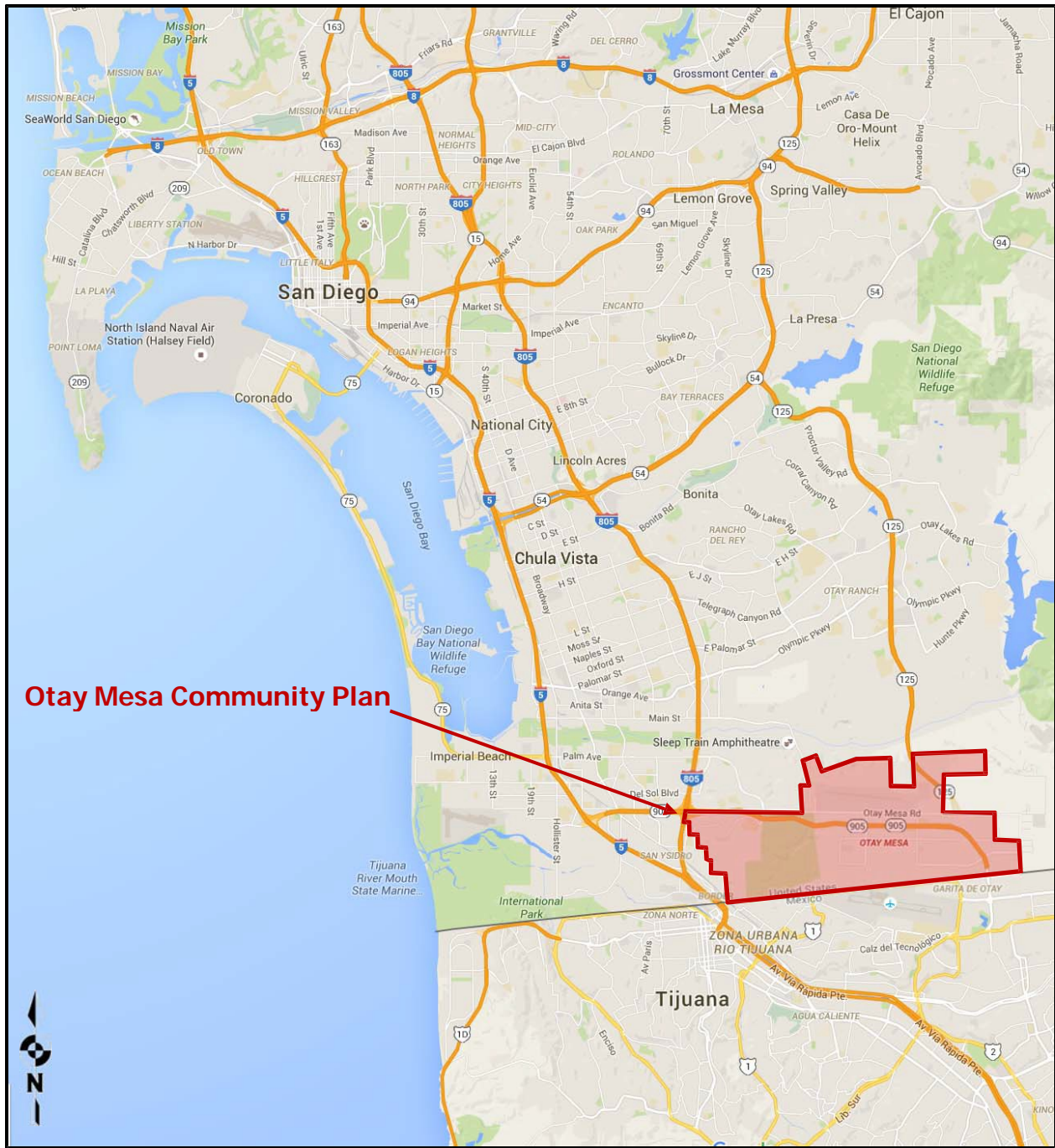
The proposed CVSP's arrangement of land uses provides four times as much commercial area along the more heavily traveled Airway Road as compared to the less traveled Cactus Avenue as originally planned for by the OMCPU. Because Airway Road will carry higher traffic volumes than Cactus Road, it is expected that the CVSP would have increased pass-by trip usage. A pass-by trip means that a vehicle that is already on the road will stop to use a convenience use (to shop, get food, etc.) and reduce the need for an additional trip or longer trip for that purpose. Increased pass-by trips along Airway Road may ultimately reduce the number of trips from origin and destination points outside the CVSP boundaries. Less regional traffic means that vehicles will



travel fewer miles, resulting in a less VMT and a lesser quantity of mobile source (vehicle tailpipe) emissions.

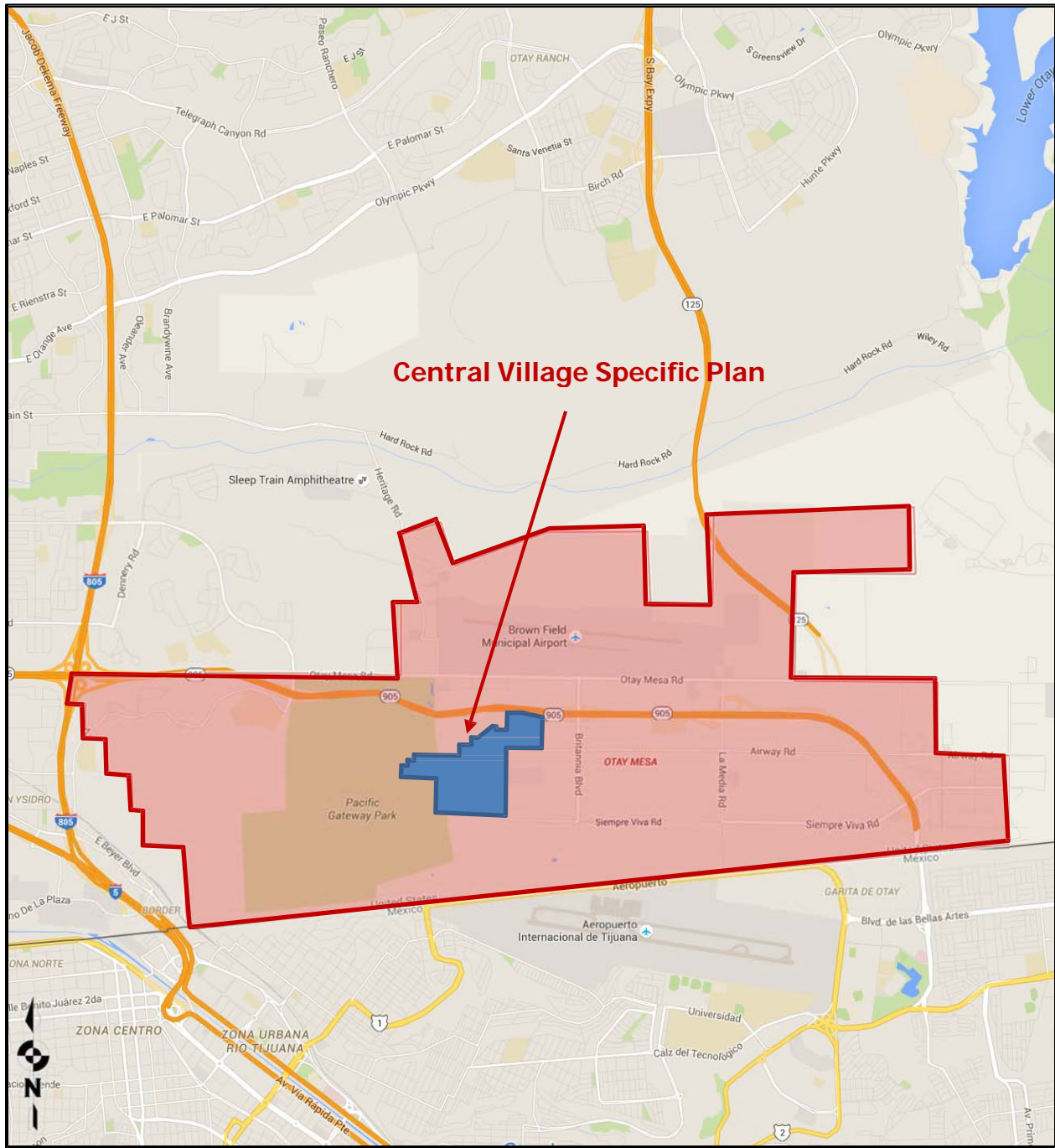
Additionally, the provision of more commercial square footage within the CVSP compared to the amount assumed under the OMCPU, the "Jobs to Housing" ratio would increase. This means that more people residing in the CVSP and OMCPU would have access to employment within the same area, reducing commute distances and potentially allowing for walking and biking to/from work. Shorter home/work commute distances and the facilitation of walking and biking trips through arrangement of land uses and site planning as recommended by CVSP policies also means that means that vehicles will travel fewer miles, resulting in a less VMT and a lesser quantity of mobile source (vehicle tailpipe) emissions.

Figure 1-A: Otay Mesa Community Plan Location



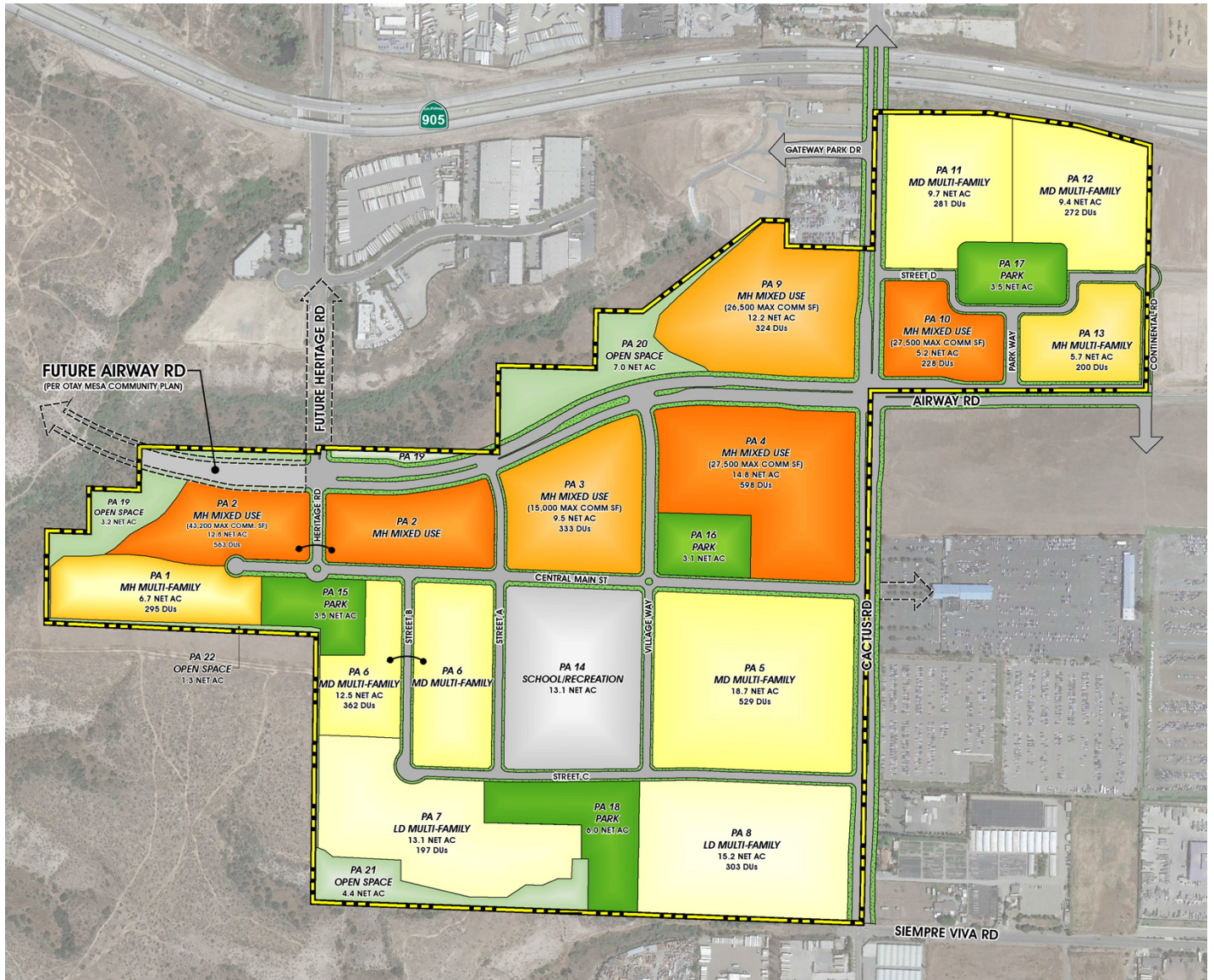
Source: (Google 2016)

**Figure 1-B: Central Village Specific Plan Location**



Source: (Google 2016)

Figure 1-C: Central Village Specific Plan



The CVSP was planned in accordance with the Otay Mesa Community Plan which identifies the vision for the Central Village Community as:

*"a medium to high density residential community centered along Airway Road, and focused around school and park uses, as well as village-scale retail"*

The proposed CVSP includes many Policies and Design Standards to encourage walking, biking, and the use of transit, which also would reduce VMT and associated mobile source air emissions. Some of these Policies and Design Standards are provided below as examples. Please refer to the CVSP for a full list.

"Design Standard 2.2-13 Drive-through commercial site design is prohibited within Central Village."

"Policy 2.3-1 If possible, include transit stops to support transit use within the Central Village."

"Policy 2.3-3 Design street corners to accommodate safe pedestrian crossings. Include ample unobstructed space at the street corner for people waiting to cross the street. Where there is demand for a pedestrian street crossing that does not align with an intersection, apply a mid-block crossing."

"Policy 2.3-4 Provide interconnected streets and pedestrian walkways. Avoid barriers to pedestrian access...."

"Policy 2.3-10 Incorporate traffic calming measures at intersections with pedestrian crossings."

"Policy 2.3-14 Design trails to include major gateways and intersections to enable trail users to connect to other segments of the on-site pedestrian network."

"Design Standard 2.3-13 Sidewalk widths shall be 8 or 10-feet wide where transit stops and shelters are proposed and shall extend for 25 feet parallel to the curb measured from the bus stop sign to provide adequate clearance to accommodate bus lifts for disabled persons."

"Design Standard 2.3-15 Bus facilities shall be developed in accordance with the standards provided in the City of San Diego Street Design Manual."

"Design Standard 2.3-16 Rapid Transit stops shall be designed to allow pedestrians to cross the street safely and within proximity to the stop."

"Design Standard 2.3-17 Rapid Transit facilities shall be developed in accordance with the standards provided in the City of San Diego Street Design Manual."

“Design Standard 2.3-18 Class I and Class II bike lanes shall be developed in locations shown on [CVSP] Figure 2.3-4, Alternative Transportation Plan....”

“Policy 2.5-1 Pedestrian plazas, either within the interior of the development or at building street corners, should be provided where possible to help activate street corners, provide a foreground to building entrances, and/or to serve adjacent uses (such as a retail space, café, or office use).”

“Policy 2.5-5 Pedestrian paseos are encouraged in all developments to provide enhanced connectivity and usable open space.”

“Policy 2.5-7 Incorporate informal outdoor gathering areas and pedestrian nodes into design plans in ways that allow these spaces to function as community gathering spaces.”

“Policy 2.5-14 Orient development in ways that create compact blocks and lots. A ‘block’ is defined as an area of development that is delineated on all sides by public streets, paseos, trails, parks, community facilities, landscaped setbacks, and/or private internal streets. Except where site-specific circumstances preclude it, blocks within the Central Village shall have a maximum of perimeter of 2,000 feet.”

“Policy 2.5-16 Developments should incorporate safe pedestrian connections to adjoining residential developments, commercial projects, and open space areas.”

“Policy 2.5-19 Proposed developments should provide an interconnected system of paths, sidewalks, corridors, and walkways that create a safe and pleasant pedestrian environment, connect dwelling units and common areas, are well-integrated with the surrounding neighborhood, and provide multiple pedestrian access points.”

“Policy 2.5-101 The following amenities may be provided to support bicyclists and pedestrians: street furniture, public art, bike paths, multiple access points, and safe street crossing opportunities.”

“Policy 2.5-169 Pedestrian scaled lighting, such as low profile bollards, should be selected from highly durable materials that contribute to the overall design theme of Central Village.”

Finally, it should be noted that the street sections illustrated in the proposed CVSP for Airway Road, Cactus Road, Heritage Road, Village Entry Streets, and Green Streets, all include bike lanes and sidewalks. Sidewalks are planned along every street interior to the Central Village, except alleys. Refer to the CVSP’s Vehicular Mobility Plan (CVSP Figure 2.3-1), Street Cross-Sections (CVSP Figures 2.3-2 and 2.3-3), and Alternative Transportation Plan (CVSP Figure 2.3-4).

## **2.0 EXISTING ENVIRONMENTAL SETTING**

### **2.1 Existing Setting**

Existing land uses within the Central Village area consist of undeveloped lands, agricultural operations, a few single-family residential homes, and open space. Consistent with the existing conditions reported in the OMCPU EIR, air pollutant emissions generated by these existing uses is nominal. Off-site land uses surrounding the Central Village area include a mixture of roadways, open space, undeveloped lands, agricultural uses, and light and heavy industrial uses.

### **2.2 Climate and Meteorology**

The OMCPU area (including the CVSP area) is located in the San Diego Air Basin (SDAB). Climate within the SDAB area often varies dramatically over short geographical distances due to the Air Basin's size and topography. Most of southern California is dominated by high pressure systems for much of the year, which keeps San Diego mostly sunny and warm. Typically, during the winter months, the high pressure system drops to the south and brings cooler, moister weather from the north.

It is common for inversion layers to develop within high pressure areas which mostly define pressure patterns over the SDAB. These inversions are caused when a thin layer of the atmosphere increases in temperature with height. An inversion acts like a lid preventing vertical mixing of air through convective overturning.

Daytime temperature highs within the Otay Community Plan is most like that of nearby Chula Vista. The project areas typically range between 68 °F in the winter to approximately 80 °F in the summer with the month of August usually being the hottest month. Median temperatures range from approximately 57 °F in the winter to approximately 72 °F in the summer. Chula Vista usually receives approximately 10 inches of rain per year with the month of March usually being the wettest month of the year. The average humidity is approximately 65% in the winter and about 73% in the summer (City-Data, 2016).

### **2.3 Regulatory Standards**

#### **2.3.1 Federal Standards and Definitions**

The Federal Air Quality Standards were developed per the requirements of The Federal Clean Air Act, which is a federal law that was passed in 1970 and further amended in 1990. This law provides the basis for the national air pollution control effort. An important element

of the act included the development of national ambient air quality standards (NAAQS) for major air pollutants.

The Clean Air Act established two types of air quality standards otherwise known as primary and secondary standards. **Primary Standards** set limits for the intention of protecting public health, which includes sensitive populations such as people with asthma, children and elderly. **Secondary Standards** set limits to protect public welfare to include the protection against decreased visibility, damage to animals, crops, vegetation and buildings.

The EPA Office of Air Quality Planning and Standards (OAQPS) has set National Ambient Air Quality Standards for principal pollutants, which are called "criteria" pollutants. These pollutants are defined below:

1. **Carbon Monoxide (CO):** *is a colorless, odorless, and tasteless gas and is produced from the partial combustion of carbon-containing compounds, notably in internal-combustion engines. Carbon monoxide usually forms when there is a reduced availability of oxygen present during the combustion process. Exposure to CO near the levels of the ambient air quality standards can lead to fatigue, headaches, confusion, and dizziness. CO interferes with the blood's ability to carry oxygen.*
2. **Lead (Pb):** *is a potent neurotoxin that accumulates in soft tissues and bone over time. The major sources of lead emissions have historically been motor vehicles (such as cars and trucks) and industrial sources. Because lead is only slowly excreted, exposures to small amounts of lead from a variety of sources can accumulate to harmful levels. Effects from inhalation of lead near the level of the ambient air quality standard include impaired blood formation and nerve conduction. Lead can adversely affect the nervous, reproductive, digestive, immune, and blood-forming systems. Symptoms can include fatigue, anxiety, short-term memory loss, depression, weakness in the extremities, and learning disabilities in children.*
3. **Nitrogen Dioxide (NO<sub>2</sub>):** *is a reactive, oxidizing gas capable of damaging cells lining the respiratory tract and is one of the nitrogen oxides emitted from high-temperature combustion, such as those occurring in trucks, cars, power plants, home heaters, and gas stoves. In the presence of other air contaminants, NO<sub>2</sub> is usually visible as a reddish-brown air layer over urban areas. NO<sub>2</sub> along with other traffic-related pollutants is associated with respiratory symptoms, respiratory illness and respiratory impairment. Studies in animals have reported biochemical, structural, and cellular changes in the lung when exposed to NO<sub>2</sub> above the level of the current state air quality standard. Clinical studies of human subjects suggest that NO<sub>2</sub> exposure to levels near the current standard may worsen the effect of allergens in allergic asthmatics, especially in children.*
4. **Particulate Matter (PM<sub>10</sub> or PM<sub>2.5</sub>):** *is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of*



liquid. These particles vary in shape, size and chemical composition, and can be made up of multiple materials such as metal, soot, soil, and dust.  $PM_{10}$  particles are 10 microns ( $\mu m$ ) or less and  $PM_{2.5}$  particles are 2.5 ( $\mu m$ ) or less. These particles can contribute significantly to regional haze and reduction of visibility in California. Exposure to PM levels exceeding current air quality standards increases the risk of allergies such as asthma and respiratory illness.

5. **Ozone ( $O_3$ ):** is a highly oxidative unstable gas capable of damaging the linings of the respiratory tract. This pollutant forms in the atmosphere through reactions between chemicals directly emitted from vehicles, industrial plants, and many other sources. Exposure to ozone above ambient air quality standards can lead to human health effects such as lung inflammation, tissue damage and impaired lung functioning. Ozone can also damage materials such as rubber, fabrics and plastics.
6. **Sulfur Dioxide ( $SO_2$ ):** is a gaseous compound of sulfur and oxygen and is formed when sulfur-containing fuel is burned by mobile sources, such as locomotives, ships, and off-road diesel equipment.  $SO_2$  is also emitted from several industrial processes, such as petroleum refining and metal processing. Effects from  $SO_2$  exposures at levels near the one-hour standard include bronchoconstriction accompanied by symptoms, which may include wheezing, shortness of breath and chest tightness, especially during exercise or physical activity. Children, the elderly, and people with asthma, cardiovascular disease or chronic lung disease (such as bronchitis or emphysema) are most susceptible to these symptoms. Continued exposure at elevated levels of  $SO_2$  results in increased incidence of pulmonary symptoms and disease, decreased pulmonary function, and increased risk of mortality.

### 2.3.2 State Standards and Definitions

The State of California Air Resources Board (ARB) sets the laws and regulations for air quality on the state level. The California Ambient Air Quality Standards (CAAQS) are either the same as or more restrictive than the NAAQS and also set limits for four additional contaminants. Table 2.1 on Page 13 of this report identifies both the NAAQS and CAAQS. The additional contaminants as regulated by the CAAQS are defined below:

1. **Visibility Reducing Particles:** Particles in the air that obstruct the visibility.
2. **Sulfates:** are salts of Sulfuric Acid. Sulfates occur as microscopic particles (aerosols) resulting from fossil fuel and biomass combustion. They increase the acidity of the atmosphere and form acid rain.
3. **Hydrogen Sulfide ( $H_2S$ ):** is a colorless, toxic and flammable gas with a recognizable smell of rotten eggs or flatulence.  $H_2S$  occurs naturally in crude petroleum, natural gas, volcanic gases, and hot springs. Usually,  $H_2S$  is formed from bacterial breakdown of organic matter. Exposure to low concentrations of hydrogen sulfide may cause irritation

*to the eyes, nose, or throat. It may also cause difficulty in breathing for some people with asthma. Brief exposures to high concentrations of hydrogen sulfide (greater than 500 ppm) can cause a loss of consciousness and possibly death.*

4. **Vinyl Chloride:** *also known as chloroethene and is a toxic, carcinogenic, colorless gas with a sweet odor. It is an industrial chemical mainly used to produce its polymer, polyvinyl chloride (PVC).*

### 2.3.3 Regional Standards

The State of California has 35 air districts, which are each responsible for ensuring that the criteria pollutants are below the NAAQS and CAAQS. Air basins that exceed either the NAAQS or the CAAQS for any criteria pollutants are designated as "non-attainment areas" for that pollutant. Currently, there are 15 non-attainment areas for the federal ozone standard and two non-attainment areas for the PM<sub>2.5</sub> standard and many areas are in non-attainment for PM<sub>10</sub> as well. The State therefore created the California State Implementation Plan (SIP), which is designed to provide control measures needed for California Air basins to attain ambient air quality standards.

The San Diego Air Pollution Control District (SDAPCD) is the government agency which regulates sources of air pollution within San Diego County. Therefore, the SDAPCD developed a Regional Air Quality Strategy (RAQS) to provide control measures designed to achieve attainment status. Currently, San Diego is in "non-attainment" status for federal and State O<sub>3</sub> standards and the State PM<sub>10</sub> and PM<sub>2.5</sub> standards; however, an attainment plan is only available for O<sub>3</sub>. The RAQS was adopted in 1992 and has been updated as recently as 2009 which was the latest update incorporating minor changes to the prior 2004 update.

The 2009 update mostly clarifies and enhances emission reductions by implementing new volatile organic compounds (VOC) and oxides of nitrogen (NO<sub>x</sub>) reduction measures. The criteria pollutant standards are generally attained when each monitor within the region has had no exceedances during the previous three calendar years. A complete listing of the current attainment status with respect to both federal and state standards by pollutants for San Diego County is shown in Table 2.2 on Page 14 of this report.

The RAQS is largely based on population predictions by the San Diego Association of Governments (SANDAG). Projects that produce less growth than predicted by SANDAG would generally conform to the RAQS and projects that create more growth than projected by SANDAG may create a significant impact especially if the project produces unmitigable emission generation in excess of the regional standards. Also, the project would be considered to have a significant impact if the project produces cumulative impacts.

**Table 2.1: Ambient Air Quality Standards**

Ambient Air Quality Standards						
Pollutant	Average Time	California Standards <sup>1</sup>		Federal Standards <sup>2</sup>		
		Concentration <sup>3</sup>	Method <sup>4</sup>	Primary <sup>3,5</sup>	Secondary <sup>3,6</sup>	Method <sup>7</sup>
Ozone (O <sub>3</sub> ) <sup>8</sup>	1 Hour	0.09 ppm (180 µg/m <sup>3</sup> )	Ultraviolet Photometry	-	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m <sup>3</sup> )		0.070 ppm (137 µg/m <sup>3</sup> )		
Respirable Particulate Matter (PM <sub>10</sub> ) <sup>9</sup>	24 Hour	50 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	150 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m <sup>3</sup>		-		
Fine Particulate Matter (PM <sub>2.5</sub> ) <sup>9</sup>	24 Hour	No Separate State Standard		35 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	12.0 µg/m <sup>3</sup>		
Carbon Monoxide (CO)	8 hour	9.0 ppm (10mg/m <sup>3</sup> )	Non-Dispersive Infrared Photometry (NDIR)	9 ppm (10 mg/m <sup>3</sup> )	-	Non-Dispersive Infrared Photometry
	1 hour	20 ppm (23 mg/m <sup>3</sup> )		35 ppm (40 mg/m <sup>3</sup> )		
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m <sup>3</sup> )		-		
Nitrogen Dioxide (NO <sub>2</sub> ) <sup>10</sup>	Annual Arithmetic Mean	0.030 ppm (57 µg/m <sup>3</sup> )	Gas Phase Chemiluminescence	0.053 ppm (100 µg/m <sup>3</sup> ) <sup>8</sup>	Same as Primary Standard	Gas Phase Chemiluminescence
	1 Hour	0.18 ppm (339 µg/m <sup>3</sup> )		0.100 ppm <sup>8</sup> (188/ µg/m <sup>3</sup> )		
Sulfur Dioxide (SO <sub>2</sub> ) <sup>11</sup>	Annual Arithmetic Mean	-	Ultraviolet Fluorescence	0.030 ppm <sup>10</sup> (for Certain Areas)	-	Ultraviolet Fluorescence; Spectrophotometry (Pararoosaniline Method) <sup>9</sup>
	24 Hour	0.04 ppm (105 µg/m <sup>3</sup> )		0.14 ppm <sup>10</sup> (for Certain Areas) (See Footnote 9)		
	3 Hour	-		0.5 ppm (1300 µg/m <sup>3</sup> )		
	1 Hour	0.25 ppm (655 µg/m <sup>3</sup> )		75 ppb (196 µg/m <sup>3</sup> )		
Lead <sup>12,13</sup>	30 Day Average	1.5 µg/m <sup>3</sup>	Atomic Absorption	-	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Calendar Quarter	-		1.5 µg/m <sup>3</sup>		
	Rolling 3-Month Average	-		0.15 µg/m <sup>3</sup>		
Visibility Reducing Particles	8 Hour	See footnote 13				
Sulfates	24 Hour	25 µg/m <sup>3</sup>	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m <sup>3</sup> )	Ultraviolet Fluorescence			
Vinyl Chloride <sup>12</sup>	24 Hour	0.01 ppm (26 µg/m <sup>3</sup> )	Gas Chromatography			

- California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM<sub>10</sub>, PM<sub>2.5</sub>, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equalled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
- National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM<sub>10</sub>, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m<sup>3</sup> is equal to or less than one. For PM<sub>2.5</sub>, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
- Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
- Any equivalent procedure which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
- National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
- National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
- Reference method as described by the EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the EPA.
- On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
- On December 14, 2012, the national annual PM<sub>2.5</sub> primary standard was lowered from 15 µg/m<sup>3</sup> to 12.0 µg/m<sup>3</sup>. The existing national 24-hour PM<sub>2.5</sub> standards (primary and secondary) were retained at 35 µg/m<sup>3</sup>, as was the annual secondary standard of 15 µg/m<sup>3</sup>. The existing 24-hour PM<sub>10</sub> standards (primary and secondary) of 150 µg/m<sup>3</sup> also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
- To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
- On June 2, 2010, a new 1-hour SO<sub>2</sub> standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO<sub>2</sub> national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
- The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
- The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m<sup>3</sup> as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
- In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Source: (California Air Resources Board, 10/1/15)

**Table 2.2: San Diego County Air Basin Attainment Status by Pollutant**

San Diego County Air Basin Attainment Status by Pollutant			
Pollutant	Average Time	California Standards	Federal Standards
Ozone (O <sub>3</sub> )	1 Hour	Non-attainment	No Federal Standard
	8 Hour		Marginal Non-attainment
Respirable Particulate Matter (PM <sub>10</sub> )	24 Hour	Non-attainment	Unclassified <sup>1</sup>
	Annual Arithmetic Mean	No State Standard	Unclassified <sup>2</sup>
Fine Particulate Matter PM <sub>2.5</sub>	24 Hour	No State Standard	Attainment
	Annual Arithmetic Mean	Non-attainment	Attainment
Carbon Monoxide (CO)	8 hour	Attainment	Maintenance Area <sup>3</sup>
	1 hour		
Nitrogen Dioxide (NO <sub>2</sub> )	Annual Arithmetic Mean	No State Standard	Attainment
	1 Hour	Attainment	No Federal Standard
Sulfur Dioxide (SO <sub>2</sub> )	Annual Arithmetic Mean	No State Standard	Attainment
	24 Hour	Attainment	Attainment
	1 Hour	Attainment	No Federal Standard
Lead	30 Day Average	Attainment	No Federal Standard
	Calendar Quarter	No State Standard	Attainment
Visibility Reducing Particles	8 Hour (10AM to 6PM, PST)	Unclassified	No Federal Standard
Sulfates	24 Hour	Attainment	No Federal Standard
Hydrogen Sulfide	1 Hour	Unclassified	No Federal Standard

1. Data reflects status as of March 19, 2009.

2. Unclassified; indicates data are not sufficient for determining attainment or nonattainment.

3. Maintenance Area (defined by U.S. Department of Transportation) is any geographic region of the United States previously designated nonattainment pursuant to the CAA Amendments of 1990 and subsequently redesignated to attainment subject to the requirement to develop a maintenance plan under section 175A of the CAA, as amended.

**2.4 SDAPCD Rule 20.2 – Air Quality Impact Assessment Screening Thresholds**

The SDAPCD has established thresholds in Rule 20.2 for new or modified stationary sources. The County’s Guidelines for Determining Significance and Report Format and Content Requirements include screening level thresholds for all County-related Air Quality Impact Assessments (AQIA) and for determining CEQA air quality impacts. These screening criteria can be used to demonstrate whether a project’s total emissions would result in a significant impact as defined by CEQA. Should emissions be found to exceed these thresholds, additional modeling is required to demonstrate that the project’s total air quality impacts are below the state and federal ambient air quality standards. These daily screening thresholds for construction and operations are shown in Table 2.3 below.

The U.S. Environmental Protection Agency (U.S. EPA) uses the term Volatile Organic Compounds (VOC) and the California Air Resources Board's (CARB's) Emission Inventory Branch (EIB) uses the term Reactive Organic Gases (ROG) to essentially define the same thing. There are minor deviations between compounds that define each term however for

**Table 2.3: Screening Thresholds for Criteria Pollutants**

Pollutant	Total Emissions (Pounds per Day)
<b>Construction Emissions</b>	
Respirable Particulate Matter (PM <sub>10</sub> and PM <sub>2.5</sub> )	100 and 55
Nitrogen Oxide (NO <sub>x</sub> )	250
Sulfur Oxide (SO <sub>x</sub> )	250
Carbon Monoxide (CO)	550
Volatile Organic Compounds (VOCs)	75
Reactive Organic Gases (ROG) SCAQMD	75
<b>Operational Emissions</b>	
Respirable Particulate Matter (PM <sub>10</sub> and PM <sub>2.5</sub> )	100 and 55
Nitrogen Oxide (NO <sub>x</sub> )	250
Sulfur Oxide (SO <sub>x</sub> )	250
Carbon Monoxide (CO)	550
Lead and Lead Compounds	3.2
Volatile Organic Compounds (VOCs)	75
Reactive Organic Gases (ROG) SCAQMD	75

purposes of this study we will assume they are essentially the same due to the fact SCAQMD interchanges these words and because CALEEMOD 2013.2.2 directly calculates ROG in place of VOC.

## 2.5 SDAPCD Rule 1200

Non-criteria pollutants such as Hazardous Air Pollutants (HAPs) or Toxic Air Contaminants (TACs) are also regulated by the SDAPCD. Rule 1200 (Toxic Air Contaminants - New Source Review) adopted on June 12, 1996, requires evaluation of potential health risks for any new, relocated, or modified emission unit which may increase emissions of one or more toxic air contaminants. The rule requires that projects that could increase cancer risk to between 1 and 10 in one million need to implement toxics best available control technology (T-BACT) or impose the most effective emission limitation, emission control device or control technique to reduce the cancer risk. At no time shall a project increase the cancer risk to over 10 in one million or a health hazard index (chronic and acute) greater than one. Projects creating cancer risks less than one in one million are not required to implement T-BACT technology.

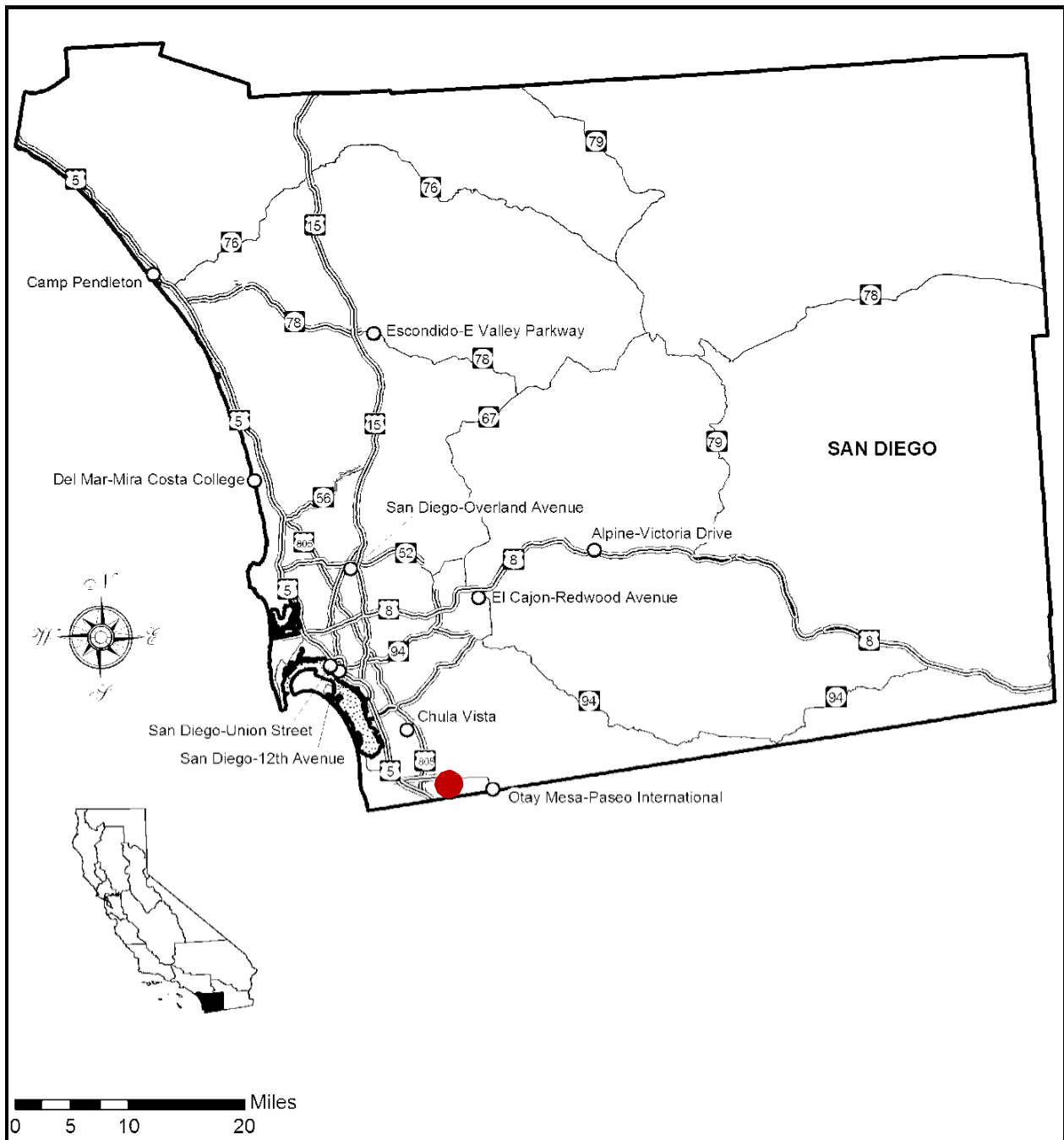
## 2.6 Local Air Quality

Criteria pollutants are measured continuously throughout the San Diego Air Basin. This data is used to track ambient air quality patterns throughout the County. As mentioned earlier, this data is also used to determine attainment status when compared to the NAAQS and CAAQS.

The SDAPCD is responsible for monitoring and reporting monitoring data. The District operates 10 monitoring sites, which collect data on criteria pollutants. Four additional sites collect meteorological data which is used by the District to assist with pollutant forecasting, data analysis and characterization of pollutant transport. Figure 2-A shows the relative locations of the monitoring sites.

SDAPCD published the five-year air quality summary for all of the monitoring stations within the San Diego basin (SDAPCD, 2015). The CVSP area is located near the Chula Vista monitoring station, roughly 12 miles away. Table 2.4 identifies the criteria pollutants monitored at the aforementioned station.

Figure 2-A: Ambient Air Quality Monitoring Stations within SDAB – CARB



Source: (California Air Resources Board, 2014)

**Table 2.4: Three-Year Ambient Air Quality Summary near the Project Site**

Pollutant	Closest Recorded Ambient Monitoring Site	Averaging Time	CAAQS	NAAQS	2012	2013	2014
O3 (ppm)	Chula Vista Monitoring Station	1 Hour	0.09 ppm	-	0.09	0.07	0.09
		8 Hour	0.070 ppm	0.075 ppm	0.08	0.06	0.07
PM10 (µg/m3)		24 Hour	50 µg/m3	150 µg/m3	37	38	38
		Annual Arithmetic Mean	20 µg/m3	-	21.5	23.7	23.4
PM2.5 (µg/m3)		24 Hour	-	35 µg/m3	34.3	21.9	26.5
		Annual Arithmetic Mean	12 µg/m3	15 µg/m3	-	9.5	9.3
NO2 (ppm)		Annual Arithmetic Mean	0.030 ppm	0.053 ppm	0.011	0.011	0.011
CO (ppm)		1 Hour	0.18 ppm	-	0.057	0.056	0.056
		8 Hour	9 ppm	9 ppm	1.6	-	-



### **3.0 METHODOLOGY**

#### **3.1 Construction Criteria Pollutant Emissions**

The mix of land uses proposed by the CVSP in comparison to the mix of land uses assumed for the Central Village by the OMCPU EIR are similar, and contain residential uses, mixed-use areas accommodating commercial uses, parks, trails, and one elementary school. The land uses changes proposed by the CVSP include:

- A reduction of ~~761~~ 283 Multi-family dwelling units
- An increase of 107 ksf of community commercial floor space
- A reduction of ~~16.2~~ 2.06 acres of active park space

Because the mix of land uses assumed by the OMCPU EIR and the land uses proposed by the CVSP are substantially similar, it is assumed that construction activities associated with buildout of the Central Village would largely remain the same as assumed by the OMCPU EIR in the Central Village area. The EIR's analysis of construction activity assumed that sources of construction-related air emissions would include: a) fugitive dust from grading activities; b) construction equipment exhaust; c) construction-related trips by workers, delivery trucks, and material-hauling trucks; and d) construction-related power consumption. (RECON, 2013). Based on industry-standard construction practices, these are reasonable assumptions for sources of construction activity air emissions in the Central Village. Thus, the CVSP would not result in an increase of construction emissions as compared to what was assumed in the OMCPU EIR. For this reason, detailed construction-related air quality modeling is not required, because the results for the Central Village would be identical to those reported in the OMCPU EIR. Because daily and total construction-related air emissions associated with the CVSP would not increase in relation to what was evaluated and disclosed in the OMCPU EIR, no new or more severe construction-related air quality impacts would result.

#### **3.2 Operational Criteria Pollutant Emissions**

The largest changes in air emission quantities associated with the land use changes proposed by the CVSP would be expected during the operational life of the CVSP project. Air emissions from daily operations would include sources such as Area, Energy, and Mobile. Area Source emissions include emissions from consumer products, landscaping maintenance equipment, and architectural coatings (such as painting) as part of regular maintenance activities in a predominately residential community. Energy sources emissions would be generated from the production and consumption of energy to operate the Central Village community, such as electricity and natural gas. Mobile (or transportation-related) source emissions would occur from motor vehicles (tailpipe emissions) generated by land uses in the Central Village, which are calculated in CalEEMod through the use of EMFAC2011. In the

EMFAC model, an emissions inventory is based on the emission rate (e.g., grams per pollutant emitted over a mile) and vehicle activity (e.g., miles driven per day). Area sources originate from daily onsite uses, which require either burning fuel to generate energy (i.e. natural gas fireplaces, gas furnaces, gas water heaters and small engines) or the evaporation of organic gases such as from paints (architectural coatings).

CalEEMod 2013.2.2 and EMFAC2011 represent the most recent model versions available at the time environmental analysis of the CVSP project commenced. The operational model outputs for operation of land uses in the Central Village under the land use assumptions of the OMCPU and the land uses proposed by the CVSP are provided in ***Attachments A and B***, respectively, at the end of this report. Traffic data for the Central Village relied upon in the modeling efforts were taken from the OMCPU EIR's traffic report (Urban Systems Associates, Inc. 2012) as summarized in the CVSP's *Transportation Facilities Trigger Analysis* (Chen Ryan & Associates, 2017), and traffic data for buildout of the CVSP as disclosed in the CVSP's *Transportation Facilities Trigger Analysis*. At full buildout of the Central Village, the OMCPU EIR assumed the generation of 45,429 41,109 daily trips. In comparison, 36,345 daily trips would be generated by land uses in the Central Village under the proposed CVSP. The ADT calculated by CVSP's *Transportation Facilities Trigger Analysis* included an internal capture rate based on the SANDAG Select Zone Analysis to account for trips within the CVSP that will have both an origin and destination within the CVSP site, and not utilize external roadway facilities. The CVSP's 36,345 ADT includes a 9.4% internal trip capture rate, while the assumed Central Village by the OMCPU EIR's 41,109 ADT includes a 4.67% internal trip capture rate. The CalEEMod 2013.2.2 air quality model was run on both scenarios to remain consistent. (The OMCPU EIR used CalEEMod 2011). The only modifications to the model run for the Central Village under the OMCPU scenario and the proposed CVSP scenario were the above-described land use changes within the Central Village as proposed by the CVSP. The differences in land use data projected changes through the model to include Mobile, Area, Energy Usage, Water and Sewer and Solid Waste usage.

### 3.3 Toxic Air Contaminant Emissions

This health risk analysis uses the California Office of Environmental Health Hazard Assessment (OEHHA) methodologies which is required as of 2015 (OEHHA, 2015) and roadway modeling methodologies outlined by the California Air Pollution Control Officers Association (CAPCOA, July 2009). Health risk impacts can exist when a project is exposed to toxic emissions. Sensitive receptors (and the facilities that house them) in proximity to sources of air pollutants that emit TACs are of particular concern. Exposure to TACs can increase the risk of contracting cancer or result in adverse non-cancer health effects. Non-cancer health risks associated with TAC exposure include birth defects and other reproductive damage, neurological disorders, and damage to the respiratory system (California Air Resources Board, 2005).

Generally, cancer risk can exist within 500-feet of a freeway or busy traffic corridor but the risk will substantially drop off with distance from a ground level pollution source. Freeways and busy traffic corridors are defined as traffic volume of over 100,000 vehicles per day in urban areas and 50,000 vehicles per day in rural areas (Education Code Section 17312). CARB studies show that air pollution levels can be substantially higher within 500 feet (150 meters) of freeways or busy traffic corridors (SCAQMD, 2005).

Projects within the SDAB are generally regulated by San Diego Air Pollution Control District (SDAPCD). Significance thresholds have been established under SDAPCDs "Hot Spots" and permitting program (SDAPCD Rule 1200 and 1210). Under this program, excess cancer risk significance threshold is set at **10 in 1 million** and acute and chronic, non-carcinogenic health effect, a hazard index of **one** must not be exceeded.

Based on reviews of the CVSP's *Transportation Facilities Trigger Analysis*, only I-905 would generate traffic in excess of 100,000 vehicles per day, however, for purposes of analysis and consistency with the OMCPU EIR, sections of both Airway Road and Heritage roads are also analyzed. For this analysis, the AERMOD (version 15181) model was utilized, which is recommended by the U.S. Environmental Protection Agency (EPA) and SDAPCD for roadway modeling that uses local meteorology. The model input/output is shown in **Attachment C** to this report.

AERMOD requires external data sources such as meteorological data, traffic data as well as vehicular emission data from EMFAC 2011. AERMOD inputs for roadways and receptors were adjusted geospatially within AERMOD using AERMAP and the latest topographical data provided by the United States Geological Survey (USGS). Vehicular traffic volumes for the CVSP were taken from the *Transportation Facilities Trigger Analysis* (Chen Ryan & Associates, 2017). The roadway emission inputs are shown in **Attachment D** to this report.

Once the dispersed concentrations of diesel particulates are estimated in the surrounding air, they are used to evaluate estimated exposure to people. Exposure is evaluated by calculating the dose in milligrams per kilogram body weight per day (mg/kg/d). Under the current OEHHA methodologies for residential exposure, the breathing rates are determined for specific age groups, so inhalation dose (Dose-air) is calculated for each of these age groups, 3rd trimester, 0<2, 2<9, 2<16, 16<30 and 16-70 years. The following algorithms calculate this dose for exposure through the inhalation pathways. The worst-case cancer risk dose calculation is defined in Equation 1 below (OEHHA, February 2015).

Equation 1:

$$Dose_{air} = C_{air} * (BR/BW) * A * EF * (1 \times 10^{-6})$$

Dose <sub>air</sub>	=	Dose through inhalation (mg/kg/d)
C <sub>air</sub>	=	Concentration in air (µg/m <sup>3</sup> ) Annual average DPM concentration in µg/m <sup>3</sup>
BR/BW	=	Daily breathing rate normalized to body weight (L/kg BW-day). See Table I.2 for the daily breathing rate for each age range.
A	=	Inhalation absorption factor (assumed to be 1)
EF	=	Exposure frequency
1x10 <sup>-6</sup>	=	Milligrams to micrograms conversion (10 <sup>-3</sup> mg/µg), cubic meters to liters conversion (10 <sup>-3</sup> m <sup>3</sup> /l)

Once the dose is determined then cancer risk is calculated. The average daily inhalation dose (mg/kg-day) multiplied by the cancer potency factor (mg/kg-day)<sup>-1</sup> will give the inhalation cancer risk (unitless), which is an expression of the chemical's cancer risk during a specific duration a 70-year lifespan of exposure is the typical duration analyzed but could be 9 or 30 years too. For example, an inhalation cancer risk of 5 x 10<sup>-6</sup> is the same as stating that an individual has an estimated probability of developing cancer from their exposure of 5 chances per one million people exposed.

Cancer risk is calculated by multiplying the daily inhalation dose, by a cancer potency factor, the age sensitivity factor, the frequency of time spent at home and the exposure duration divided by averaging time, to yield the excess cancer risk. As described below, the excess cancer risk is calculated separately for each age grouping and then summed to yield cancer risk for any given location. Specific factors as modeled are shown within the project models attached to this report. The worst-case cancer risk calculation is defined in Equation 2 below (OEHHA, February 2015).

Equation 2:

$$RISK_{inh-res} = DOSE_{air} \times CPF \times ASF \times ED/AT \times FAH$$

RISK <sub>inh-res</sub>	=	Residential inhalation cancer risk
DOSE <sub>air</sub>	=	Daily inhalation dose (mg/kg-day)
CPF	=	Inhalation cancer potency factor (mg/kg-day <sup>-1</sup> )
ASF	=	Age sensitivity factor for a specified age group (unitless)
ED	=	Exposure duration (in years) for a specified age group
AT	=	Averaging time for lifetime cancer risk (years)
FAH	=	Fraction of time spent at home (unitless)

OEHHA recommends that exposure durations (residency time) of 30 years be used to estimate individual cancer risk for the Maximally Exposed Individual Resident (MEIR). OEHHA also recommends that the 30-year exposure duration be used as the basis for public notification and risk reduction audits and plans as a worst-case analysis. Exposure durations of 9-years and 70-years are also recommended to be evaluated for the MEIR to show the range of cancer risk based on residency periods.

### 3.4 Odors

The mix of land uses proposed by the CVSP in comparison to the mix of land uses assumed for the Central Village by the OMCPU EIR are similar, and contain residential uses, mixed-use areas accommodating commercial uses, parks, trails, and one elementary school. In comparison, the CVSP proposes ~~761~~ 283 fewer multi-family dwelling units, an additional 107 ksf of community commercial floor space, and ~~16.2~~ 2.06 fewer acres of active park space.

In relation to the potential for odor generation, the OMCPU EIR concluded that “[w]hile the CPU would allow a variety of land uses, none of the identified land uses are typically associated with the creation of objectionable odors.” Because the CVSP proposes the same types of land uses, the potential for objectionable odor creation would be similarly less than significant and a detailed analysis is not warranted.

## **4.0 SIGNIFICANCE THRESHOLDS, ANALYSIS, AND FINDINGS**

### **4.1 Significance Determination Thresholds**

The City developed and published Significance Determination Thresholds for use in California Environmental Quality Act (CEQA) determinations; these thresholds were used by the OMCPU EIR to determine the significance of air quality impacts associated with implementation of the OMCPU. Those same thresholds are used herein to evaluate potential air quality impacts associated with approval of the CVSP. Impacts would be significant if the CVSP would result in any of the following:

- A: Conflict with or obstruct implementation of the San Diego Regional Air Quality Strategy (RAQS) or applicable portions of the State Implementation Plan (SIP)?
- B: Result in emissions that would violate any air quality standard or contribute substantially to an existing or projected air quality violation?
- C: Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable Federal or State ambient air quality standard (PM10, PM2.5 or exceed quantitative thresholds for O3 precursors, oxides of nitrogen [NOX] and Volatile Organic Compounds [VOCs] for the County)?
- D: Expose sensitive receptors (including, but not limited to, schools, hospitals, resident care facilities, or day-care centers) to substantial pollutant concentrations?
- E: Create objectionable odors affecting a substantial number of people?

### **4.2 Analysis of Compliance with the RAQS**

The two pollutants addressed in the RAQS are volatile organic compounds (VOCs) and nitrogen oxide (NOx), which are precursors to the formation of ozone. The RAQS uses available data regarding projected increases in motor vehicle usage, population, and industrial growth to address challenges in controlling emissions and to maintain and further improve air quality. Relative to the adopted OMCPU, the proposed CVSP would result in:

- A reduction of ~~761~~ 283 Multi-family dwelling units
- An increase of 107 ksf of community commercial floor space
- A reduction of ~~16.2~~ 2.06 acres of active park space

Further, according to the CVSP's *Transportation Facilities Trigger Analysis* (Chen Ryan & Associates, 2017), the CVSP is calculated to generate 36,345 average daily vehicular trips (ADT) (including a 9.67% internal trip capture rate), which is less traffic than was assumed for the

Central Village by the OMCPU EIR, at ~~45,429~~ 41,109 ADT (including a 4.67% internal trip capture rate). Thus, the reduction in traffic would reduce mobile source air pollutant emissions, including VOC and NOx. Refer to the analysis under Section 4.4 below for a comparative quantification. As the primary goal of the RAQS is to reduce ozone precursor emissions and the CVSP would result in lower emissions than would occur under the adopted OMCPU, the CVSP would not obstruct or conflict with the implementation of the San Diego RAQS or applicable portions of the State Implementation Plan (SIP).

#### **4.3 Air Emissions in Comparison to Air Quality Standards – Construction**

Because the mix of land uses assumed by the OMCPU EIR and the land uses proposed by the CVSP are substantially similar, it is assumed that construction activities associated with buildout of the Central Village would largely remain the same as assumed by the OMCPU EIR in the Central Village area. The EIR's analysis of construction activity assumed that sources of construction-related air emissions would include: a) fugitive dust from grading activities; b) construction equipment exhaust; c) construction-related trips by workers, delivery trucks, and material-hauling trucks; and d) construction-related power consumption. (RECON, 2013). Based on industry-standard construction practices, these are reasonable assumptions for sources of construction activity air emissions in the Central Village. Thus, the CVSP would not result in an increase of construction emissions as compared to what was assumed in the OMCPU EIR. For this reason, detailed construction-related air quality modeling is not required, because the results for the Central Village would be identical to those reported in the OMCPU EIR. Because daily and total construction-related air emissions associated with the CVSP would not increase in relation to what was evaluated and disclosed in the OMCPU EIR, no new or more severe construction-related air quality impacts would result. Nonetheless, as concluded in the OMCPU EIR, construction-related air pollutant emissions would still exceed significance thresholds. For this reason, the applicable mitigation measures presented in the Air Quality section of the OMCPU EIR would apply to construction projects that implement the CVSP.

#### **4.4 Air Emissions in Comparison to Air Quality Standards - Operational**

Based on the CalEEMod 2013.2.2 air quality model, which is based on assumptions utilized in the OMCPU EIR for the Central Village, buildout of the Central Village in accordance with the OMCPU would generate approximately ~~47,654~~ 41,109 ADT, which accounts for an internal trip capture rate of 4.67% with ~~129,134,582~~ 111,762,669 VMT while the proposed CVSP project would generate 36,354 ADT, which accounts for an internal trip capture rate of 9.4% with ~~121,237,271~~ 89,580,471 VMT.

The reduction in VMTs under the proposed CVSP project is largely due to the fact that the CVSP orients higher density residential and commercial land uses along Airway Road which

will have better public transit access, and better access from areas outside of the CVSP to allow pass-by usage. In addition, the CVSP would accomplish a better job to housing ratio and better internal connectivity to parks, the school site, and open space/trails than was expected in the Central Village under the adopted OMCPU, which will encourage biking and walking within the community.

The expected daily pollutant generation was calculated utilizing the product of the average daily miles traveled and the expected emissions inventory calculated by CALEEMOD utilizing emissions from EMFAC2011. Tables 4.1 below and Table 4.2 on the following page show the OMCPU and proposed CVSP seasonal emissions for the Central Village area, and indicate the differences in emissions between the CVSP project and the level of emissions disclosed in the OMCPU EIR for the Central Village.

Based on these findings, operational air quality emissions will be reduced with implementation of the proposed CVSP in comparison to the emissions disclosed for the Central Village by the OMCPU EIR. Given this, no new or more severe air quality impacts would result from implementation of the CVSP project, and no new mitigation would be required. Nonetheless, as concluded in the OMCPU EIR, operational air pollutant emissions would still exceed significance thresholds. For this reason, the applicable mitigation measures presented in the Air Quality Section of the OMCPU EIR would apply to all development projects that implement the CVSP.



**Table 4.1: Summer Operational Emissions (Approved (OMCPU) vs. Proposed (CVSP))**

	ROG	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
<b>Summer Existing Approved OMCPU Central Village Land Use Scenario</b>						
Area (Lb/Day)	<del>8,239.99</del> <u>7,476.23</u>	<del>113.95</del> <u>103.57</u>	<del>10,324.53</del> <u>9,383.80</u>	<del>3.89</del> <u>3.53</u>	<del>1,391.90</del> <u>1,265.07</u>	<del>1,391.86</del> <u>1,265.04</u>
Energy (Lb/Day)	<del>0.87</del> <u>0.79</u>	<del>7.41</del> <u>6.75</u>	<del>3.21</del> <u>2.93</u>	<del>0.05</del> <u>0.04</u>	<del>0.60</del> <u>0.54</u>	<del>0.60</del> <u>0.54</u>
Mobile (Lb/Day)	<del>140.76</del> <u>122.06</u>	<del>287.62</del> <u>249.21</u>	<del>1,400.62</del> <u>1,213.75</u>	<del>4.09</del> <u>3.54</u>	<del>280.09</del> <u>242.63</u>	<del>77.71</del> <u>67.32</u>
Total (Lb/Day)	<del>8,381.61</del> <u>7,599.07</u>	<del>408.97</del> <u>359.53</u>	<del>11,728.36</del> <u>10,600.47</u>	<del>8.02</del> <u>7.12</u>	<del>1,672.59</del> <u>1,508.25</u>	<del>1,470.17</del> <u>1,332.90</u>
<b>Summer Proposed CVSP Scenario</b>						
Area (Lb/Day)	7,034.40	97.42	8,826.85	3.32	1,189.99	1,189.95
Energy (Lb/Day)	0.75	6.42	2.82	0.04	0.52	0.52
Mobile (Lb/Day)	<del>138.57</del> <u>104.55</u>	<del>273.61</del> <u>203.61</u>	<del>1,339.27</del> <u>998.73</u>	<del>3.85</del> <u>2.85</u>	<del>263.14</del> <u>194.80</u>	<del>73.02</del> <u>54.06</u>
Total (Lb/Day)	<del>7,173.72</del> <u>7,139.70</u>	<del>377.44</del> <u>307.44</u>	<del>10,168.94</del> <u>9,828.40</u>	<del>7.21</del> <u>6.21</u>	<del>1,453.64</del> <u>1,385.30</u>	<del>1,263.49</del> <u>1,244.54</u>
<b>Difference</b>						
Area (Lb/Day)	<del>-1,205.59</del> <u>-441.83</u>	<del>-16.53</del> <u>-6.15</u>	<del>-1,497.68</del> <u>-556.95</u>	<del>-0.56</del> <u>-0.21</u>	<del>-201.91</del> <u>-75.09</u>	<del>-201.91</del> <u>-75.09</u>
Energy (Lb/Day)	<del>-0.12</del> <u>-0.04</u>	<del>-0.99</del> <u>-0.33</u>	<del>-0.39</del> <u>-0.11</u>	<del>-0.01</del> <u>0.00</u>	<del>-0.08</del> <u>-0.03</u>	<del>-0.08</del> <u>-0.03</u>
Mobile (Lb/Day)	<del>-2.19</del> <u>-17.51</u>	<del>-14.01</del> <u>-45.61</u>	<del>-61.35</del> <u>-215.01</u>	<del>-0.24</del> <u>-0.69</u>	<del>-16.96</del> <u>-47.83</u>	<del>-4.69</del> <u>-13.25</u>
Total (Lb/Day)	<del>-1,207.89</del> <u>-459.38</u>	<del>-31.53</del> <u>-52.08</u>	<del>-1,559.42</del> <u>-772.07</u>	<del>-0.81</del> <u>-0.90</u>	<del>-218.95</del> <u>-122.94</u>	<del>-206.67</del> <u>-88.36</u>
<b>Percentage Reduction in Emissions</b>	<del>-14%</del> <u>-6%</u>	<del>-8%</del> <u>-14%</u>	<del>-13%</del> <u>-7%</u>	<del>-10%</del> <u>-13%</u>	<del>-13%</del> <u>-8%</u>	<del>-14%</del> <u>-7%</u>
Daily pollutant generation assumes trip distances within CalEEMod						

**Table 4.2: Winter Operational Emissions (Approved (OMCPU) vs. Proposed (CVSP))**

	<b>ROG</b>	<b>NO<sub>x</sub></b>	<b>CO</b>	<b>SO<sub>x</sub></b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>
<b>Winter Existing Approved OMCPU Central Village Land Use Scenario</b>						
Area (Lb/Day)	<del>8,239.99</del> <u>7,476.23</u>	<del>113.95</del> <u>103.57</u>	<del>10,324.53</del> <u>9,383.80</u>	<del>3.89</del> <u>3.53</u>	<del>1,391.90</del> <u>1,265.07</u>	<del>1,391.86</del> <u>1,265.04</u>
Energy (Lb/Day)	<del>0.87</del> <u>0.79</u>	<del>7.41</del> <u>6.75</u>	<del>3.21</del> <u>2.93</u>	<del>0.05</del> <u>0.04</u>	<del>0.60</del> <u>0.54</u>	<del>0.60</del> <u>0.54</u>
Mobile (Lb/Day)	<del>140.76</del> <u>129.37</u>	<del>287.62</del> <u>264.91</u>	<del>1,400.62</del> <u>1,276.76</u>	<del>4.09</del> <u>3.37</u>	<del>280.09</del> <u>242.64</u>	<del>77.71</del> <u>67.33</u>
Total (Lb/Day)	<del>8,381.61</del> <u>7,606.38</u>	<del>408.97</del> <u>375.22</u>	<del>11,728.36</del> <u>10,663.48</u>	<del>8.02</del> <u>6.94</u>	<del>1,672.59</del> <u>1,508.26</u>	<del>1,470.17</del> <u>1,332.91</u>
<b>Winter Proposed CVSP Scenario</b>						
Area (Lb/Day)	7,034.40	97.42	8,826.85	3.32	1,189.99	1,189.95
Energy (Lb/Day)	0.75	6.42	2.82	0.04	0.52	0.52
Mobile (Lb/Day)	<del>138.57</del> <u>111.09</u>	<del>273.61</del> <u>216.34</u>	<del>1,339.27</del> <u>1,060.48</u>	<del>3.85</del> <u>2.71</u>	<del>263.14</del> <u>194.81</u>	<del>73.02</del> <u>54.08</u>
Total (Lb/Day)	<del>7,173.72</del> <u>7,146.24</u>	<del>377.44</del> <u>320.18</u>	<del>10,168.94</del> <u>9,890.14</u>	<del>7.21</del> <u>6.07</u>	<del>1,453.64</del> <u>1,385.32</u>	<del>1,263.49</del> <u>1,244.55</u>
<b>Difference</b>						
Area (Lb/Day)	<del>-1,205.59</del> <u>-441.83</u>	<del>-16.53</del> <u>-6.15</u>	<del>-1,497.68</del> <u>-556.95</u>	<del>-0.56</del> <u>-0.21</u>	<del>-201.91</del> <u>-75.09</u>	<del>-201.91</del> <u>-75.09</u>
Energy (Lb/Day)	<del>-0.12</del> <u>-0.04</u>	<del>-0.99</del> <u>-0.33</u>	<del>-0.39</del> <u>-0.11</u>	<del>-0.01</del> <u>0.00</u>	<del>-0.08</del> <u>-0.03</u>	<del>-0.08</del> <u>-0.03</u>
Mobile (Lb/Day)	<del>-2.19</del> <u>-18.28</u>	<del>-14.01</del> <u>-48.57</u>	<del>-61.35</del> <u>-216.28</u>	<del>-0.24</del> <u>-0.66</u>	<del>-16.96</del> <u>-47.83</u>	<del>-4.69</del> <u>-13.25</u>
Total (Lb/Day)	<del>-1,207.89</del> <u>-460.14</u>	<del>-31.53</del> <u>-55.04</u>	<del>-1,559.42</del> <u>-773.34</u>	<del>-0.81</del> <u>-0.87</u>	<del>-218.95</del> <u>-122.94</u>	<del>-206.67</del> <u>-88.37</u>
<b>Percentage Reduction in Emissions</b>	<del>-14%</del> <u>-6%</u>	<del>-8%</del> <u>-15%</u>	<del>-13%</del> <u>-7%</u>	<del>-10%</del> <u>-12%</u>	<del>-13%</del> <u>-8%</u>	<del>-14%</del> <u>-7%</u>
Daily pollutant generation assumes trip distances within CalEEMod						

#### 4.5 Air Toxics Effects to Sensitive Receptors

The OMCPU presented an analysis of potential carcinogenic and non-carcinogenic risks to sensitive receptors from mobile sources of air emissions (vehicle tailpipes) and stationary sources. Within the Central Village area, the EIR noted potential health risks to sensitive receptor land uses in the northern portion of the Central Village area, primarily from traffic volumes on I-905 and Airway Road. In all instances, the OMCPU EIR concluded that impacts resulting from mobile source emissions on area roadways would be less than 10 in 1 million (the significance threshold) and less than significant.

The OMCPU EIR also disclosed that in areas where residential and other sensitive uses would be located adjacent to industrial and commercial areas, the collocation of these uses would have the potential to result in air pollution-related health effects to sensitive receptors. The EIR indicated that implementation of the OMCPU would place residential, commercial, and industrial uses in proximity to one another, and impacts could occur associated with exposure of sensitive receptors to pollutants from the operation of industrial and commercial facilities, which can include diesel particulate matter (DPM) emitted by heavy trucks and diesel engines, chromium emitted by chrome platers, and perchloroethylene emitted by dry cleaning operations. The OMCPU contains policies and performance standards to avoid and/or reduce potential impacts associated with collocation of diverse land uses. Even so, the OMCPU EIR concluded that the potential exposure of sensitive receptors to air toxics would be significant and unavoidable.

Policies and Design Standards that are incorporated into the proposed CVSP to address collocation of residential, commercial, and industrial uses include the following. It is noted that although no industrial uses would occur within the Central Village, light and heavy industrial uses are located to the west and south of the CVSP area, that could have effects to sensitive receivers in the CVSP area.

“Design Standard 2.2-13 Drive-through commercial site design is prohibited within Central Village.”

“Policy 2.5-44 Address the challenges presented by the collocation of industrial and residential uses by implementing the following design strategies:

- Provide landscape screening and/or patio walls to reduce noise impacts and protect the privacy of residential units along high traffic streets and intense uses.
- Address noise through the use of berms, planting, setbacks, and architectural design rather than with conventional wall barriers for generating uses.
- Minimize the number of residential units that have window and door openings that afford views into adjacent industrial uses located east of the Central Village. Whenever possible, orient the short end of buildings towards industrial uses.”

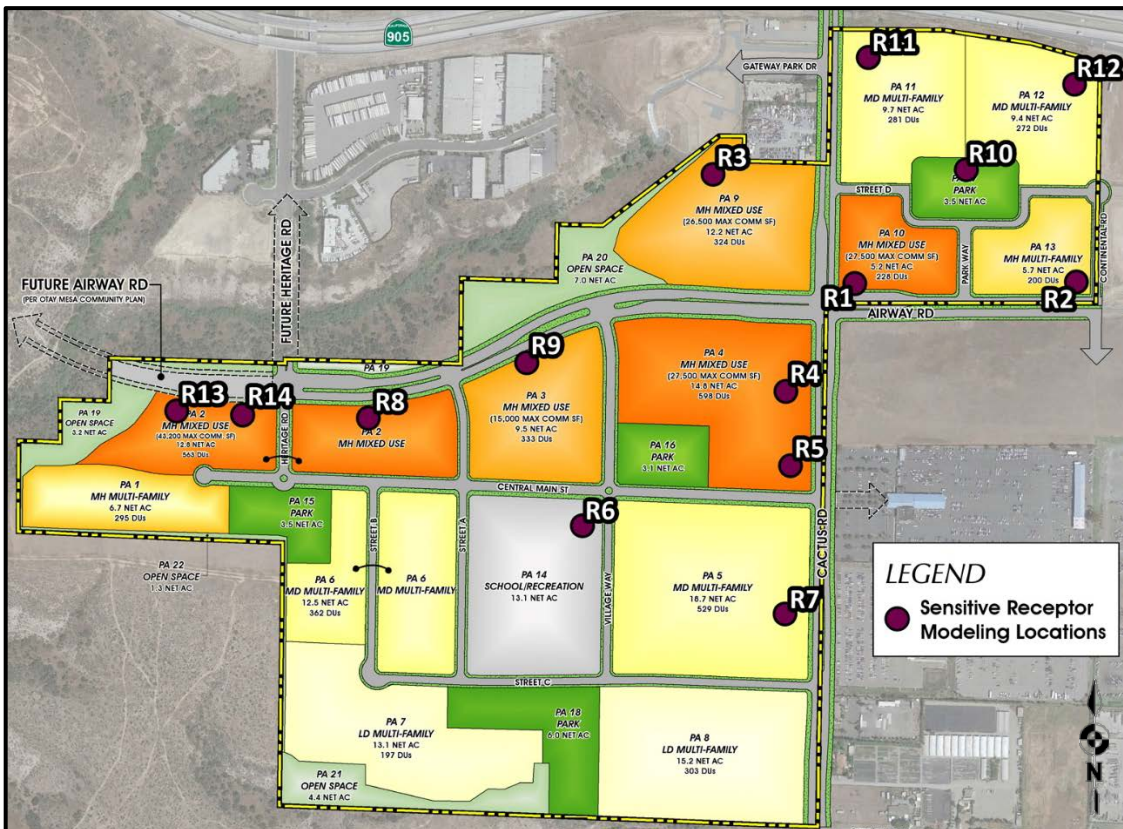
"Policy 2.5-57 Provide mechanical ventilation in all residential units proposed along roadways carrying high traffic volumes...."

"Policy 2.5-58 In commercial buildings, place loading and unloading areas so that commercial buildings shield nearby residential land uses...."

The CVSP proposes multi-family residential planning area (PA) 11 and PA 12 immediately south of SR-905 and mixed-use PA 9 approximately 525 feet south of SR-905. PA 9 also abuts light industrial land uses to the north. According to the CVSP's *Transportation Facilities Trigger Analysis*, the average daily trips (ADT) for I-905 near the CVSP area ranges from 164,100 ADT at Caliente Road to 133,500 ADT at La Media Road. Airway Road, a segment of which traverses the northern portion of the CVSP area, is calculated to carry between 11,900 ADT to 39,200 ADT from sections bordering the Central Village. Due to these traffic volumes, there is a potential that sensitive receivers in the Central Village could be exposed to air toxics associated with mobile source (vehicle tailpipe) emissions and particularly DPM from diesel-fueled vehicles.

Modeling at the CVSP site included coordinates for SR-905 (where DPM emitting vehicles could travel) and 14 receptor points in the CVSP area identified by red circles in Figure 4-A below. These points are representative of the unobstructed areas onsite to SR-915 and nearby Airway Road, as well as Heritage Road.

**Figure 4-A: Modeling Graphical Representation**



Siempre Viva Road is designated by the OMCPU as a "Truck Activity Road," indicating that offsite truck traffic and associated DPM emissions along this road would be increased due to truck activity. Truck traffic and associated DPM emissions along Siempre Viva could have the potential to impact future residents of the Central Village. Based on a review of traffic data for this road from the CVSP's *Transportation Facilities Trigger Analysis*, traffic along Siempre Viva Road (east of Cactus) is not calculated to exceed 6,400 ADT at buildout which is much less than the 50,000 ADT needed to generate a significant toxics air impact. Also, land uses changes within Central Village proposed by the CVSP would not increase traffic along Siempre Viva Road and would not generate any additional impacts from those already identified in the OMCPU EIR. Thus, less than significant impacts would occur and no new or more severe impacts would result from the CVSP.

Emissions from diesel exhaust along heavily traveled roadways near the Central Village were derived using data in CVSP's *Transportation Facilities Trigger Analysis* in association with area wide fleet averages from EMFAC 2011. Results are shown in **Attachment E** to this report. Compared to the amount of traffic assumed to be generated by land uses in the Central Village by the OMCPU EIR, the land use arrangement proposed by the CVSP would generate approximately ~~7,528~~ 4,764 fewer vehicle trips but would potentially increase truck trips from the proposed increase of 107 ksf of commercial floor space. The air modeling conducted for this analysis made a reasonable assumption that 40% of the commercial trips within the CVSP area would be from trucks and assumed an industry-standard vehicle mix ratio for the other uses.

Based on the modeling results that show impacts from vehicle exhaust along heavily traveled roadways, the portions of the CVSP area north of Airway Road (PAs 9 and 10 (mixed use), PAs 11, 12, and 13 (multi-family residential) and PA 17 (park)) would be exposed to carcinogenic risks from DPM that could exceed 10 in one million for 70 year exposure durations (assuming a person stayed in this location for 70 years, 365 days per year, 24 hours per day), which is an unlikely potential. Sensitive receivers located in PA 11 and PA 12 could also exceed a risk potential of 10 in one million for the 9-year exposure duration (assuming a person stayed in this location for 9 years, 365 days per year, 24 hours per day), which is also an unlikely potential. The traffic volumes on SR-905 and the location of sensitive receivers the Central Village area are no higher under the CVSP that would have occurred under the OMCPU; in fact, the CVSP will reduce traffic volumes on regional roadways, including SR-905, due the changes in land uses proposed in the Central Village by the CVSP. As such, the CVSP reduces risk potential compared to the OMCPU.

Table 4.3 on the following page shows the AERMOD predicted DPM concentrations as well as calculated cancer risks from vehicular traffic from SR-905 as well as Heritage Road and Airway Road. Also, it should be noted that these risk rates would not be expected until and unless SR-905 carries its calculated buildout traffic volume of 164,100 ADT. The detailed cancer risk calculations are shown in **Attachment F** to this report. The predicted AERMOD contours are shown in Figure 4-B of this report. After reviewing the modeling results, it is reasonable to conclude that these worst-case potential impacts would be reduced to less than significant by installing mechanical air quality filtration systems on the fresh air

**Table 4.3: Potential Cancer Risk Calculations at each Receptor**

Modeling Results		Cancer Risk per one million exposed		
Receptor	Emission Concentration (ug/m <sup>3</sup> )	9 Years	30 Years	70 Years
<b>R1</b>	<b>0.009560907</b>	4.7	7.5	<b>11.7</b>
<b>R2</b>	<b>0.00952616</b>	4.6	7.5	<b>11.7</b>
<b>R3</b>	<b>0.016906339</b>	8.2	<b>13.3</b>	<b>20.8</b>
R4	0.00662113	3.2	5.2	8.1
R5	0.004695002	2.3	3.7	5.8
R6	0.003822957	1.9	3.0	4.7
R7	0.002980091	1.5	2.3	3.7
R8	0.005317525	2.6	4.2	6.5
R9	0.006548992	3.2	5.1	8.0
R10 Park*	0.01747005	8.5	13.7	21.5
<b>R11</b>	<b>0.047848336</b>	<b>23.3</b>	<b>37.6</b>	<b>58.8</b>
<b>R12</b>	<b>0.04643322</b>	<b>22.6</b>	<b>36.5</b>	<b>57.0</b>
R13	0.005279119	2.6	4.1	6.5
R14	0.00517814	2.5	4.1	6.4

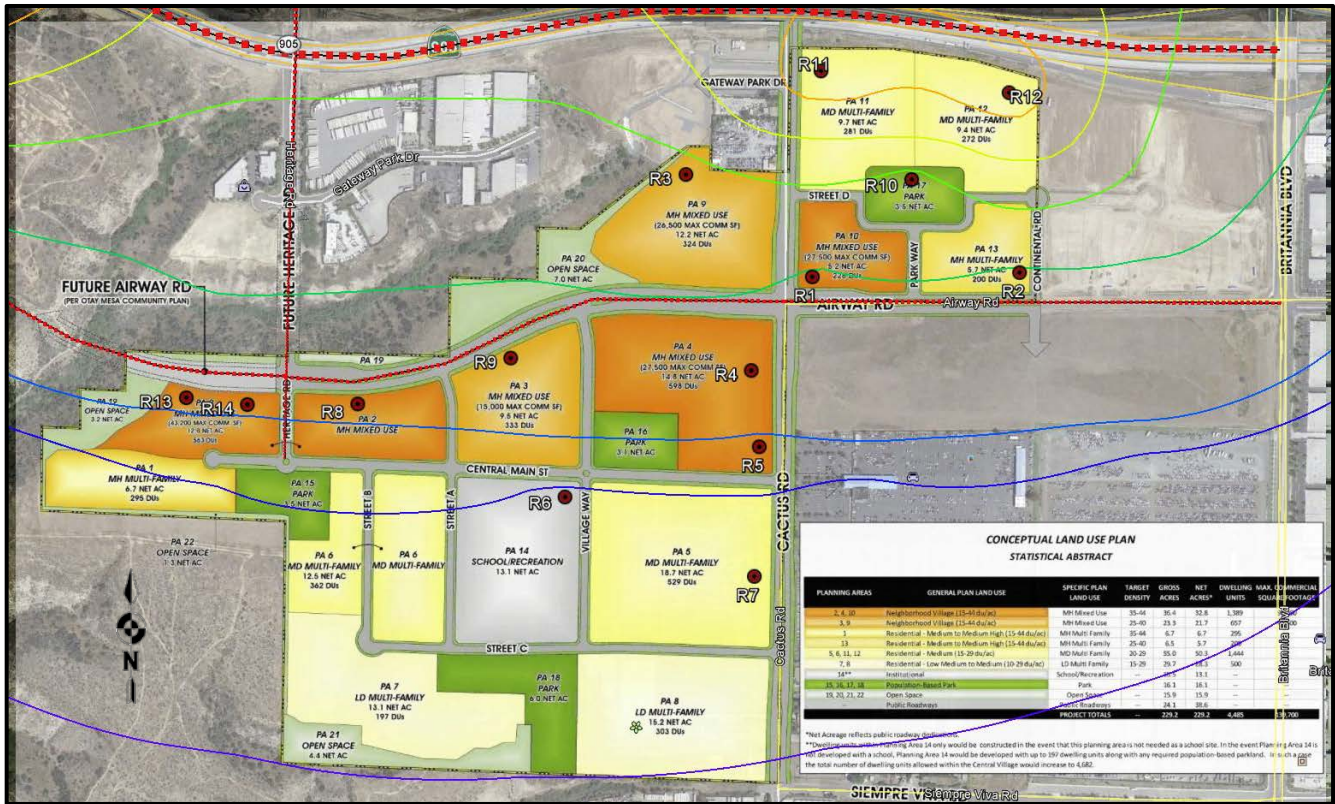
\*A Park is not considered a use with long exposure times and therefore is not considered sensitive

intake systems of the residential uses in affected areas. Filtration systems with a Maximum Efficiency Reporting Value (MERV) of 13, which has been found to reduce particulates 2.5 microns or less by 87 to 95% (CARB, 2012) would likely achieve this result. A requirement for this feature is specified as a Design Standard in the CVSP as follows. Thus, the impact would be reduced to less than significant. In addition, the CVSP includes a Policy to orient residential uses away from SR-905.

“Design Standard 2.2-11: Mechanical air quality filtration systems shall be required for residential units in Planning Areas 9, 10, 11, 12, and 13 (the planning areas closest to SR-905) and for residential units in Planning Areas 5 and 8 that are within 500 feet of the Specific Plan’s eastern and southern boundary lines (the planning areas closest to off-site light and heavy industrial uses) as part of implementing development projects. The filtration systems shall have at least a Maximum Efficiency Reporting Value (MERV) of 13. These systems are required to improve indoor air quality in areas of the Specific Plan that could be most affected by vehicular-related air pollutant emissions along SR-905 and nearby stationary sources associated with off-site industrial land uses.”

“Policy 2.5-54: Residential units located north of Airway Road should be designed to minimize building openings (windows and doors) and usable outdoor spaces (balconies, patios, etc.) from having a direct line-of-sight with SR-905.”

Figure 4-B: Modeling Graphical Representation



Also, physical barriers such as walls and vegetative buffers that would occur between sensitive receivers in these locations and sounding roadways would likely increase DPM deposition rates causing airborne DPM to settle out of the air, which will further reduce cancer risks.

Residential PAs 5 and 8 of the CVSP would be located in close proximity to off-site light and heavy industrial uses to the south and southeast. As concluded by the OMCPU EIR, the collocation of residential and industrial uses would have the potential to result in air pollution-related health effects to sensitive receptors. Therefore, the OMCPU EIR concluded that the potential exposure of sensitive receptors to air toxics would be significant and unavoidable. The CVSP would have no effect on the location, composition, or operational characteristics of off-site industrial uses, and the CVSP plans for the locations of residential uses in the same proximity to off-site areas as called for by the OMCPU. Therefore, the CVSP would not create any new impacts or more severe impacts. Further, Design Standard 2.2-11 (listed on the prior page of this report) would contribute to reducing the impact. Additionally, the following CVSP Policy is pertinent:

“Policy 2.5-44 Address the challenges presented by the collocation of industrial and residential uses by implementing the following design strategies:

- Provide landscape screening and/or patio walls to reduce noise impacts and protect the privacy of residential units along high traffic streets and intense uses.

- Address noise through the use of berms, planting, setbacks, and architectural design rather than with conventional wall barriers for generating uses.
- Minimize the number of residential units that have window and door openings that afford views into adjacent industrial uses located east of the Central Village. Whenever possible, orient the short end of buildings towards industrial uses.”

Finally, it should be noted that all offsite sources which have the ability to generate toxic air contaminants from operations are required to work with the SDAPCD and report emissions and obtain permits to operate. These requirements are independent of the proposed CVSP project, so impacts caused by existing and future off-site industrial activities or operations would be expected to be less than significant.

#### **4.6 Mitigation Measures**

The following mitigation measures from the OMCPU EIR are applicable to the CVSP:

**AQ-1:** For projects that would exceed daily construction emissions thresholds established by the City of San Diego, best available control measures/technology shall be incorporated to reduce construction emissions to below daily emission standards established by the City of San Diego. Best available control measures/technology shall include:

- a. Minimizing simultaneous operation of multiple pieces of construction equipment;
- b. Use of more efficient, or low pollutant emitting, equipment, e.g. Tier III or IV rated equipment;
- c. Use of alternative fueled construction equipment;
- d. Dust control measures for construction sites to minimize fugitive dust, e.g. watering, soil stabilizers, and speed limits; and
- e. Minimizing idling time by construction vehicles.

**AQ-2:** Development [implementing the CVSP] that would significantly impact air quality, either individually or cumulatively, shall receive entitlement only if it is conditioned with all reasonable mitigation to avoid, minimize, or offset the impact. As a part of this process, future projects shall be required to buffer sensitive receptors from air pollution sources through the use of landscaping, open space, and other separation techniques.

**AQ-4:** Prior to the issuance of building permits for any project containing a facility identified in Table 5.3-7 [of the OMCPU EIR], or locating air quality sensitive receptors closer than the recommended buffer distances [of the OMCPU], future projects implemented in accordance with the CPU [CVSP] shall be required to prepare a health risk assessment (HRA) with a Tier I analysis in accordance with APCD HRA Guidelines and the Office of Environmental Health Hazard Assessment (OEHHA) Air Toxics "Hot Spots" Program Risk Assessment Guidelines (APCD 2006; OEHHA 2003). All HRAs shall include:



1. the estimated maximum 70-year lifetime cancer risk,
2. the estimated maximum non-cancer chronic health hazard index (HHI), and
3. the estimated maximum non-cancer acute health hazard index (HHI).

Risk estimates shall each be made for the off-site point of maximum health impact (PMI), the maximally exposed individual resident (MEIR), and the maximally exposed individual worker (MEIW). The location of each of these receptors shall be specified. The lifetime cancer risk, non-cancer chronic and acute health hazard indexes for nearby sensitive receptors shall also be reported. Cancer and non-cancer chronic risk estimates shall be based on inhalation risks. HRAs shall include estimates of population exposure, including cancer burden, as well as cancer and noncancer chronic and acute risk isopleths (contours). The HRA shall identify best available control technology (BACT) required to reduce risk to less than 10 in 1,000,000.

Mitigation Measure **AQ-3** from the OMCPU EIR is not applicable because it addresses potential stationary source emissions, and no potential sources of substantial stationary source emissions are planned within the CVSP area.

## **5.0 REFERENCES**

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ATTACHMENT A: CALEEMOD 2013.2.2 – APPROVED CVSP SUMMER, WINTER

ATTACHMENT B: CALEEMOD 2013.2.2 – PROPOSED CVSP SUMMER, WINTER

ATTACHMENT C: AERMOD OUTPUT FILE

ATTACHMENT D: AERMOD EMISSION INPUTS

ATTACHMENT E: EMFAC BURDEN MODEL 2020

ATTACHMENT F: DETAILED CANCER RISK CALCULATIONS AT EACH RECEPTOR

## **6.0 CERTIFICATIONS**

The contents of this report represent an accurate depiction of the air quality environment and impacts within and surrounding the proposed CVSP development. This report was prepared utilizing the latest emission rates and reduction methodologies.



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Jeremy Loudon, Principal  
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jlouden@ldnconsulting.net

Date ~~January 20~~ March 13, 2017

**ATTACHMENT A**

CALEEMOD 2013.2.2 – APPROVED CVSP SUMMER, WINTER

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**Central Village Specific Plan (Existing Approved Specific Plan)  
San Diego County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	13.10	75,243.03	0
City Park	18.16	Acre	18.16	791,049.60	0
Apartments Mid Rise	4,768.00	Dwelling Unit	163.94	4,768,000.00	13636
Strip Mall	32.70	1000sqft	34.00	32,700.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2020
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	720.49	<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 - Project Size

Construction Phase -

Off-road Equipment -

Trips and VMT -

Grading - 229.2 acre site

Architectural Coating - 150 g/l

Vehicle Trips - Adjusted to meet Otay Community Plan Assumptions

Area Coating - 150 g/l

Water And Wastewater -

Solid Waste -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	250
tblGrading	AcresOfGrading	1,162.50	229.20
tblGrading	AcresOfGrading	0.00	229.20
tblLandUse	LotAcreage	1.73	13.10
tblLandUse	LotAcreage	125.47	163.94
tblLandUse	LotAcreage	0.75	34.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblVehicleTrips	ST_TR	7.16	7.63
tblVehicleTrips	ST_TR	1.59	47.66
tblVehicleTrips	ST_TR	42.04	66.73
tblVehicleTrips	SU_TR	6.07	7.63
tblVehicleTrips	SU_TR	1.59	47.66
tblVehicleTrips	SU_TR	20.43	66.73
tblVehicleTrips	WD_TR	6.59	7.63
tblVehicleTrips	WD_TR	1.59	47.66
tblVehicleTrips	WD_TR	1.29	1.89
tblVehicleTrips	WD_TR	44.32	66.73

## 2.0 Emissions Summary

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### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.1627	69.6666	47.6143	0.0638	19.5645	3.3184	22.3198	10.1157	3.0529	12.6506	0.0000	6,480.3725	6,480.3725	1.9425	0.0000	6,521.1641
2018	5.3475	59.6018	43.0414	0.0638	6.7091	2.7892	9.4983	3.4103	2.5661	5.9763	0.0000	6,373.5434	6,373.5434	1.9416	0.0000	6,414.3174
2019	18.1370	78.7219	208.1936	0.5785	35.6335	2.5061	37.8457	9.5390	2.3056	11.6017	0.0000	46,956.7366	46,956.7366	2.0784	0.0000	47,000.3821
2020	17.0492	69.2809	197.4012	0.5782	35.6333	1.9673	37.6006	9.5389	1.8341	11.3730	0.0000	45,390.9561	45,390.9561	2.0005	0.0000	45,432.9660
2021	16.0787	59.8405	188.5220	0.5786	35.6334	1.7497	37.3832	9.5389	1.6308	11.1697	0.0000	44,898.6158	44,898.6158	1.9451	0.0000	44,939.4626
2022	15.2783	53.5737	179.9739	0.5784	35.6336	1.5930	37.2266	9.5390	1.4842	11.0231	0.0000	44,422.7994	44,422.7994	1.8933	0.0000	44,462.5586
2023	14.4516	48.2279	171.9701	0.5780	35.6339	1.4723	37.1061	9.5391	1.3709	10.9100	0.0000	43,979.4208	43,979.4208	1.8395	0.0000	44,018.0512
2024	13.7524	46.5106	164.6408	0.5780	35.6339	1.3899	37.0238	9.5391	1.2932	10.8322	0.0000	43,613.0303	43,613.0303	1.7987	0.0000	43,650.8022
2025	13.2350	44.9254	159.4160	0.5779	35.6342	1.3083	36.9425	9.5392	1.2163	10.7555	0.0000	43,296.8522	43,296.8522	1.7644	0.0000	43,333.9048
2026	12.8896	44.2604	155.5007	0.5779	35.6346	1.3047	36.9393	9.5393	1.2131	10.7524	0.0000	43,023.6062	43,023.6062	1.7390	0.0000	43,060.1258
2027	12.5703	43.7807	151.6557	0.5779	35.6350	1.3076	36.9426	9.5395	1.2158	10.7553	0.0000	42,789.0951	42,789.0951	1.7175	0.0000	42,825.1632
2028	12.3018	43.3489	148.8677	0.5779	35.6354	1.3086	36.9440	9.5397	1.2167	10.7564	0.0000	42,590.0611	42,590.0611	1.6973	0.0000	42,625.7050
2029	12.0181	42.9624	145.9102	0.5780	35.6357	1.3101	36.9458	9.5398	1.2181	10.7579	0.0000	42,420.3748	42,420.3748	1.6781	0.0000	42,455.6141
2030	11.7036	38.1428	143.5892	0.5819	35.6361	0.9339	36.5699	9.5400	0.8729	10.4128	0.0000	42,615.6812	42,615.6812	1.1787	0.0000	42,640.4330
2031	11.4845	37.8701	141.7366	0.5819	35.6357	0.9347	36.5704	9.5398	0.8736	10.4135	0.0000	42,492.9306	42,492.9306	1.1638	0.0000	42,517.3700
2032	11.2817	37.6428	140.1077	0.5819	35.6354	0.9352	36.5706	9.5397	0.8741	10.4138	0.0000	42,390.5111	42,390.5111	1.1507	0.0000	42,414.6756
2033	11.0729	37.4089	138.6810	0.5819	35.6350	0.9353	36.5703	9.5395	0.8742	10.4137	0.0000	42,304.4124	42,304.4124	1.1384	0.0000	42,328.3188



	ROG	NOx	CO	SO2	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					
2034	10.8728	37.2289	137.2418	0.5819	35.6346	0.9352	36.5697	9.5393	0.8740	10.4134	0.0000	42,231.9194	42,231.9194	1.1267	0.0000	42,255.5808
2035	10.6072	36.3204	136.0586	0.5819	35.6342	0.8774	36.5116	9.5391	0.8163	10.3555	0.0000	42,172.0011	42,172.0011	1.1082	0.0000	42,195.2740
2036	1.2123	7.1510	16.0922	0.0308	30.3502	0.0901	30.4403	7.4496	0.0901	7.5397	0.0000	2,884.8300	2,884.8300	0.1075	0.0000	2,887.0878
2037	1.2123	7.1510	16.0922	0.0308	30.3502	0.1832	30.4403	7.4496	0.1832	7.5397	0.0000	2,884.8300	2,884.8300	0.1075	0.0000	2,887.0878
2038	309.2215	4.7892	15.4905	0.0275	5.4331	0.1832	5.4430	1.3336	0.1832	1.3435	0.0000	2,599.9866	2,599.9866	0.1001	0.0000	2,602.0881
2039	309.2215	0.7577	1.7943	2.9700e-003	5.4331	9.9000e-003	5.4430	1.3336	9.9000e-003	1.3435	0.0000	281.4481	281.4481	0.0104	0.0000	281.6665
<b>Total</b>	<b>857.1622</b>	<b>949.1641</b>	<b>2,849.5918</b>	<b>10.0706</b>	<b>703.6276</b>	<b>29.3432</b>	<b>731.8473</b>	<b>193.2611</b>	<b>27.2692</b>	<b>219.5029</b>	<b>0.0000</b>	<b>759,094.0146</b>	<b>759,094.0146</b>	<b>31.2279</b>	<b>0.0000</b>	<b>759,749.7997</b>

**2.1 Overall Construction (Maximum Daily Emission)**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.1627	69.6666	47.6143	0.0638	19.5645	3.3184	22.3198	10.1157	3.0529	12.6506	0.0000	6,480.3725	6,480.3725	1.9425	0.0000	6,521.1641
2018	5.3475	59.6018	43.0414	0.0638	6.7091	2.7892	9.4983	3.4103	2.5661	5.9763	0.0000	6,373.5434	6,373.5434	1.9416	0.0000	6,414.3174
2019	18.1370	78.7219	208.1936	0.5785	35.6335	2.5061	37.8457	9.5390	2.3056	11.6017	0.0000	46,956.7366	46,956.7366	2.0784	0.0000	47,000.3821
2020	17.0492	69.2809	197.4012	0.5782	35.6333	1.9673	37.6006	9.5389	1.8341	11.3730	0.0000	45,390.9561	45,390.9561	2.0005	0.0000	45,432.9660
2021	16.0787	59.8405	188.5220	0.5786	35.6334	1.7497	37.3832	9.5389	1.6308	11.1697	0.0000	44,898.6158	44,898.6158	1.9451	0.0000	44,939.4626
2022	15.2783	53.5737	179.9739	0.5784	35.6336	1.5930	37.2266	9.5390	1.4842	11.0231	0.0000	44,422.7994	44,422.7994	1.8933	0.0000	44,462.5586

	ROG	NOx	CO	SO2	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					
2023	14.4516	48.2279	171.9701	0.5780	35.6339	1.4723	37.1061	9.5391	1.3709	10.9100	0.0000	43,979.4208	43,979.4208	1.8395	0.0000	44,018.0512
2024	13.7524	46.5106	164.6408	0.5780	35.6339	1.3899	37.0238	9.5391	1.2932	10.8322	0.0000	43,613.0303	43,613.0303	1.7987	0.0000	43,650.8022
2025	13.2350	44.9254	159.4160	0.5779	35.6342	1.3083	36.9425	9.5392	1.2163	10.7555	0.0000	43,296.8522	43,296.8522	1.7644	0.0000	43,333.9048
2026	12.8896	44.2604	155.5007	0.5779	35.6346	1.3047	36.9393	9.5393	1.2131	10.7524	0.0000	43,023.6062	43,023.6062	1.7390	0.0000	43,060.1258
2027	12.5703	43.7807	151.6557	0.5779	35.6350	1.3076	36.9426	9.5395	1.2158	10.7553	0.0000	42,789.0951	42,789.0951	1.7175	0.0000	42,825.1632
2028	12.3018	43.3489	148.8677	0.5779	35.6354	1.3086	36.9440	9.5397	1.2167	10.7564	0.0000	42,590.0611	42,590.0611	1.6973	0.0000	42,625.7050
2029	12.0181	42.9624	145.9102	0.5780	35.6357	1.3101	36.9458	9.5398	1.2181	10.7579	0.0000	42,420.3748	42,420.3748	1.6781	0.0000	42,455.6141
2030	11.7036	38.1428	143.5892	0.5819	35.6361	0.9339	36.5699	9.5400	0.8729	10.4128	0.0000	42,615.6812	42,615.6812	1.1787	0.0000	42,640.4330
2031	11.4845	37.8701	141.7366	0.5819	35.6357	0.9347	36.5704	9.5398	0.8736	10.4135	0.0000	42,492.9306	42,492.9306	1.1638	0.0000	42,517.3700
2032	11.2817	37.6428	140.1077	0.5819	35.6354	0.9352	36.5706	9.5397	0.8741	10.4138	0.0000	42,390.5111	42,390.5111	1.1507	0.0000	42,414.6756
2033	11.0729	37.4089	138.6810	0.5819	35.6350	0.9353	36.5703	9.5395	0.8742	10.4137	0.0000	42,304.4124	42,304.4124	1.1384	0.0000	42,328.3188
2034	10.8728	37.2289	137.2418	0.5819	35.6346	0.9352	36.5697	9.5393	0.8740	10.4134	0.0000	42,231.9194	42,231.9194	1.1267	0.0000	42,255.5808
2035	10.6072	36.3204	136.0586	0.5819	35.6342	0.8774	36.5116	9.5391	0.8163	10.3555	0.0000	42,172.0011	42,172.0011	1.1082	0.0000	42,195.2740
2036	1.2123	7.1510	16.0922	0.0308	30.3502	0.0901	30.4403	7.4496	0.0901	7.5397	0.0000	2,884.8300	2,884.8300	0.1075	0.0000	2,887.0878
2037	1.2123	7.1510	16.0922	0.0308	30.3502	0.1832	30.4403	7.4496	0.1832	7.5397	0.0000	2,884.8300	2,884.8300	0.1075	0.0000	2,887.0878
2038	309.2215	4.7892	15.4905	0.0275	5.4331	0.1832	5.4430	1.3336	0.1832	1.3435	0.0000	2,599.9866	2,599.9866	0.1001	0.0000	2,602.0881
2039	309.2215	0.7577	1.7943	2.9700e-003	5.4331	9.9000e-003	5.4430	1.3336	9.9000e-003	1.3435	0.0000	281.4481	281.4481	0.0104	0.0000	281.6665
<b>Total</b>	<b>857.1622</b>	<b>949.1641</b>	<b>2,849.5918</b>	<b>10.0706</b>	<b>703.6276</b>	<b>29.3432</b>	<b>731.8473</b>	<b>193.2611</b>	<b>27.2692</b>	<b>219.5029</b>	<b>0.0000</b>	<b>759,094.0145</b>	<b>759,094.0145</b>	<b>31.2279</b>	<b>0.0000</b>	<b>759,749.7996</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	7,476.2307	103.5654	9,383.7971	3.5319		1,265.0741	1,265.0741		1,265.0371	1,265.0371	132,415.6121	56,241.6821	188,657.2942	122.8889	10.4155	194,466.7612
Energy	0.7883	6.7455	2.9307	0.0430		0.5447	0.5447		0.5447	0.5447		8,600.0989	8,600.0989	0.1648	0.1577	8,652.4376
Mobile	122.0556	249.2143	1,213.7468	3.5417	238.7362	3.8914	242.6277	63.7267	3.5907	67.3174		270,433.8096	270,433.8096	10.0444		270,644.7411
<b>Total</b>	<b>7,599.0746</b>	<b>359.5252</b>	<b>10,600.4745</b>	<b>7.1166</b>	<b>238.7362</b>	<b>1,269.5102</b>	<b>1,508.2465</b>	<b>63.7267</b>	<b>1,269.1725</b>	<b>1,332.8992</b>	<b>132,415.6121</b>	<b>335,275.5906</b>	<b>467,691.2027</b>	<b>133.0980</b>	<b>10.5732</b>	<b>473,763.9399</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	7,476.2307	103.5654	9,383.7971	3.5319		1,265.0741	1,265.0741		1,265.0371	1,265.0371	132,415.6121	56,241.6821	188,657.2942	122.8889	10.4155	194,466.7612
Energy	0.7883	6.7455	2.9307	0.0430		0.5447	0.5447		0.5447	0.5447		8,600.0989	8,600.0989	0.1648	0.1577	8,652.4376
Mobile	122.0556	249.2143	1,213.7468	3.5417	238.7362	3.8914	242.6277	63.7267	3.5907	67.3174		270,433.8096	270,433.8096	10.0444		270,644.7411
<b>Total</b>	<b>7,599.0746</b>	<b>359.5252</b>	<b>10,600.4745</b>	<b>7.1166</b>	<b>238.7362</b>	<b>1,269.5102</b>	<b>1,508.2465</b>	<b>63.7267</b>	<b>1,269.1725</b>	<b>1,332.8992</b>	<b>132,415.6121</b>	<b>335,275.5906</b>	<b>467,691.2027</b>	<b>133.0980</b>	<b>10.5732</b>	<b>473,763.9399</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	Site Preparation	Site Preparation	1/1/2017	9/8/2017	5	180	
2	Grading	Grading	9/9/2017	6/21/2019	5	465	
3	Building Construction	Building Construction	6/22/2019	4/17/2037	5	4650	
4	Paving	Paving	4/18/2037	7/23/2038	5	330	
5	Architectural Coating	Architectural Coating	7/24/2038	10/28/2039	5	330	

Acres of Grading (Site Preparation Phase): 229.2

Acres of Grading (Grading Phase): 229.2

Acres of Paving: 0

Residential Indoor: 9,655,200; Residential Outdoor: 3,218,400; Non-Residential Indoor: 1,348,489; Non-Residential Outdoor: 449,496  
(Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,807.00	657.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	761.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

### 3.2 Site Preparation - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.4166	0.0000	19.4166	10.0765	0.0000	10.0765			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>19.4166</b>	<b>2.7542</b>	<b>22.1709</b>	<b>10.0765</b>	<b>2.5339</b>	<b>12.6104</b>		<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</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	0.0572	0.0671	0.7284	1.8700e-003	0.1479	1.0800e-003	0.1489	0.0392	9.9000e-004	0.0402		150.3031	150.3031	7.2500e-003		150.4553
<b>Total</b>	<b>0.0572</b>	<b>0.0671</b>	<b>0.7284</b>	<b>1.8700e-003</b>	<b>0.1479</b>	<b>1.0800e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.9000e-004</b>	<b>0.0402</b>		<b>150.3031</b>	<b>150.3031</b>	<b>7.2500e-003</b>		<b>150.4553</b>

### 3.2 Site Preparation - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.4166	0.0000	19.4166	10.0765	0.0000	10.0765			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>19.4166</b>	<b>2.7542</b>	<b>22.1709</b>	<b>10.0765</b>	<b>2.5339</b>	<b>12.6104</b>	<b>0.0000</b>	<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</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	0.0572	0.0671	0.7284	1.8700e-003	0.1479	1.0800e-003	0.1489	0.0392	9.9000e-004	0.0402		150.3031	150.3031	7.2500e-003		150.4553
<b>Total</b>	<b>0.0572</b>	<b>0.0671</b>	<b>0.7284</b>	<b>1.8700e-003</b>	<b>0.1479</b>	<b>1.0800e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.9000e-004</b>	<b>0.0402</b>		<b>150.3031</b>	<b>150.3031</b>	<b>7.2500e-003</b>		<b>150.4553</b>



### 3.3 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
<b>Total</b>	<b>6.0991</b>	<b>69.5920</b>	<b>46.8050</b>	<b>0.0617</b>	<b>6.5448</b>	<b>3.3172</b>	<b>9.8620</b>	<b>3.3667</b>	<b>3.0518</b>	<b>6.4185</b>		<b>6,313.3690</b>	<b>6,313.3690</b>	<b>1.9344</b>		<b>6,353.9915</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	0.0635	0.0746	0.8093	2.0800e-003	0.1643	1.1900e-003	0.1655	0.0436	1.1000e-003	0.0447		167.0035	167.0035	8.0500e-003		167.1726
<b>Total</b>	<b>0.0635</b>	<b>0.0746</b>	<b>0.8093</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.1900e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.1000e-003</b>	<b>0.0447</b>		<b>167.0035</b>	<b>167.0035</b>	<b>8.0500e-003</b>		<b>167.1726</b>

### 3.3 Grading - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915
<b>Total</b>	<b>6.0991</b>	<b>69.5920</b>	<b>46.8050</b>	<b>0.0617</b>	<b>6.5448</b>	<b>3.3172</b>	<b>9.8620</b>	<b>3.3667</b>	<b>3.0518</b>	<b>6.4185</b>	<b>0.0000</b>	<b>6,313.3690</b>	<b>6,313.3690</b>	<b>1.9344</b>		<b>6,353.9915</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	0.0635	0.0746	0.8093	2.0800e-003	0.1643	1.1900e-003	0.1655	0.0436	1.1000e-003	0.0447		167.0035	167.0035	8.0500e-003		167.1726
<b>Total</b>	<b>0.0635</b>	<b>0.0746</b>	<b>0.8093</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.1900e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.1000e-003</b>	<b>0.0447</b>		<b>167.0035</b>	<b>167.0035</b>	<b>8.0500e-003</b>		<b>167.1726</b>

### 3.3 Grading - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.804 2	6,212.804 2	1.9341		6,253.420 9
<b>Total</b>	<b>5.2895</b>	<b>59.5338</b>	<b>42.3068</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.7880</b>	<b>9.3328</b>	<b>3.3667</b>	<b>2.5650</b>	<b>5.9317</b>		<b>6,212.804 2</b>	<b>6,212.804 2</b>	<b>1.9341</b>		<b>6,253.420 9</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	0.0579	0.0680	0.7346	2.0800e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		160.7393	160.7393	7.4900e-003		160.8966
<b>Total</b>	<b>0.0579</b>	<b>0.0680</b>	<b>0.7346</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>160.7393</b>	<b>160.7393</b>	<b>7.4900e-003</b>		<b>160.8966</b>

### 3.3 Grading - 2018

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650	0.0000	6,212.804 1	6,212.804 1	1.9341		6,253.420 9
<b>Total</b>	<b>5.2895</b>	<b>59.5338</b>	<b>42.3068</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.7880</b>	<b>9.3328</b>	<b>3.3667</b>	<b>2.5650</b>	<b>5.9317</b>	<b>0.0000</b>	<b>6,212.804 1</b>	<b>6,212.804 1</b>	<b>1.9341</b>		<b>6,253.420 9</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	0.0579	0.0680	0.7346	2.0800e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		160.7393	160.7393	7.4900e-003		160.8966
<b>Total</b>	<b>0.0579</b>	<b>0.0680</b>	<b>0.7346</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>160.7393</b>	<b>160.7393</b>	<b>7.4900e-003</b>		<b>160.8966</b>

### 3.3 Grading - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.3121	6,111.3121	1.9336		6,151.9167
<b>Total</b>	<b>4.8912</b>	<b>54.1978</b>	<b>40.2888</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.5049</b>	<b>9.0497</b>	<b>3.3667</b>	<b>2.3045</b>	<b>5.6712</b>		<b>6,111.3121</b>	<b>6,111.3121</b>	<b>1.9336</b>		<b>6,151.9167</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	0.0538	0.0629	0.6775	2.0800e-003	0.1643	1.1600e-003	0.1655	0.0436	1.0800e-003	0.0447		154.9305	154.9305	7.0400e-003		155.0784
<b>Total</b>	<b>0.0538</b>	<b>0.0629</b>	<b>0.6775</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.1600e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>154.9305</b>	<b>154.9305</b>	<b>7.0400e-003</b>		<b>155.0784</b>

### 3.3 Grading - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	6,111.3121	6,111.3121	1.9336		6,151.9167
<b>Total</b>	<b>4.8912</b>	<b>54.1978</b>	<b>40.2888</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.5049</b>	<b>9.0497</b>	<b>3.3667</b>	<b>2.3045</b>	<b>5.6712</b>	<b>0.0000</b>	<b>6,111.3121</b>	<b>6,111.3121</b>	<b>1.9336</b>		<b>6,151.9167</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	0.0538	0.0629	0.6775	2.0800e-003	0.1643	1.1600e-003	0.1655	0.0436	1.0800e-003	0.0447		154.9305	154.9305	7.0400e-003		155.0784
<b>Total</b>	<b>0.0538</b>	<b>0.0629</b>	<b>0.6775</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.1600e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>154.9305</b>	<b>154.9305</b>	<b>7.0400e-003</b>		<b>155.0784</b>

### 3.4 Building Construction - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>		<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>		<b>2,593.9479</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	5.5372	45.7879	62.1142	0.1556	4.3599	0.7056	5.0656	1.2438	0.6491	1.8928		14,884.9570	14,884.9570	0.1094		14,887.2552
Worker	10.2482	11.9690	128.9591	0.3961	31.2736	0.2215	31.4951	8.2952	0.2054	8.5006		29,491.0178	29,491.0178	1.3410		29,519.1791
<b>Total</b>	<b>15.7854</b>	<b>57.7569</b>	<b>191.0732</b>	<b>0.5516</b>	<b>35.6335</b>	<b>0.9271</b>	<b>36.5607</b>	<b>9.5390</b>	<b>0.8544</b>	<b>10.3934</b>		<b>44,375.9748</b>	<b>44,375.9748</b>	<b>1.4505</b>		<b>44,406.4342</b>

### 3.4 Building Construction - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>	<b>0.0000</b>	<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>		<b>2,593.9479</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	5.5372	45.7879	62.1142	0.1556	4.3599	0.7056	5.0656	1.2438	0.6491	1.8928		14,884.9570	14,884.9570	0.1094		14,887.2552
Worker	10.2482	11.9690	128.9591	0.3961	31.2736	0.2215	31.4951	8.2952	0.2054	8.5006		29,491.0178	29,491.0178	1.3410		29,519.1791
<b>Total</b>	<b>15.7854</b>	<b>57.7569</b>	<b>191.0732</b>	<b>0.5516</b>	<b>35.6335</b>	<b>0.9271</b>	<b>36.5607</b>	<b>9.5390</b>	<b>0.8544</b>	<b>10.3934</b>		<b>44,375.9748</b>	<b>44,375.9748</b>	<b>1.4505</b>		<b>44,406.4342</b>



### 3.4 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
<b>Total</b>	<b>2.1113</b>	<b>19.0839</b>	<b>16.8084</b>	<b>0.0268</b>		<b>1.1128</b>	<b>1.1128</b>		<b>1.0465</b>	<b>1.0465</b>		<b>2,542.4799</b>	<b>2,542.4799</b>	<b>0.6194</b>		<b>2,555.4880</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	5.2391	39.0105	59.8693	0.1553	4.3597	0.6326	4.9923	1.2436	0.5819	1.8256		14,544.7228	14,544.7228	0.1058		14,546.9454
Worker	9.6988	11.1864	120.7235	0.3961	31.2736	0.2219	31.4955	8.2952	0.2057	8.5010		28,303.7534	28,303.7534	1.2752		28,330.5326
<b>Total</b>	<b>14.9379</b>	<b>50.1969</b>	<b>180.5928</b>	<b>0.5514</b>	<b>35.6333</b>	<b>0.8544</b>	<b>36.4877</b>	<b>9.5389</b>	<b>0.7877</b>	<b>10.3265</b>		<b>42,848.4762</b>	<b>42,848.4762</b>	<b>1.3810</b>		<b>42,877.4780</b>

### 3.4 Building Construction - 2020

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
<b>Total</b>	<b>2.1113</b>	<b>19.0839</b>	<b>16.8084</b>	<b>0.0268</b>		<b>1.1128</b>	<b>1.1128</b>		<b>1.0465</b>	<b>1.0465</b>	<b>0.0000</b>	<b>2,542.4799</b>	<b>2,542.4799</b>	<b>0.6194</b>		<b>2,555.4880</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	5.2391	39.0105	59.8693	0.1553	4.3597	0.6326	4.9923	1.2436	0.5819	1.8256		14,544.7228	14,544.7228	0.1058		14,546.9454
Worker	9.6988	11.1864	120.7235	0.3961	31.2736	0.2219	31.4955	8.2952	0.2057	8.5010		28,303.7534	28,303.7534	1.2752		28,330.5326
<b>Total</b>	<b>14.9379</b>	<b>50.1969</b>	<b>180.5928</b>	<b>0.5514</b>	<b>35.6333</b>	<b>0.8544</b>	<b>36.4877</b>	<b>9.5389</b>	<b>0.7877</b>	<b>10.3265</b>		<b>42,848.4762</b>	<b>42,848.4762</b>	<b>1.3810</b>		<b>42,877.4780</b>

### 3.4 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
<b>Total</b>	<b>1.8931</b>	<b>17.3403</b>	<b>16.5376</b>	<b>0.0268</b>		<b>0.9549</b>	<b>0.9549</b>		<b>0.8979</b>	<b>0.8979</b>		<b>2,542.7817</b>	<b>2,542.7817</b>	<b>0.6126</b>		<b>2,555.6462</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	4.9465	31.9947	57.2608	0.1550	4.3598	0.5695	4.9293	1.2437	0.5240	1.7677		14,521.5909	14,521.5909	0.1054		14,523.8047
Worker	9.2391	10.5056	114.7236	0.3968	31.2736	0.2253	31.4989	8.2952	0.2090	8.5042		27,834.2431	27,834.2431	1.2271		27,860.0118
<b>Total</b>	<b>14.1856</b>	<b>42.5002</b>	<b>171.9844</b>	<b>0.5518</b>	<b>35.6334</b>	<b>0.7949</b>	<b>36.4283</b>	<b>9.5389</b>	<b>0.7330</b>	<b>10.2719</b>		<b>42,355.8340</b>	<b>42,355.8340</b>	<b>1.3325</b>		<b>42,383.8165</b>

### 3.4 Building Construction - 2021

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
<b>Total</b>	<b>1.8931</b>	<b>17.3403</b>	<b>16.5376</b>	<b>0.0268</b>		<b>0.9549</b>	<b>0.9549</b>		<b>0.8979</b>	<b>0.8979</b>	<b>0.0000</b>	<b>2,542.7817</b>	<b>2,542.7817</b>	<b>0.6126</b>		<b>2,555.6462</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	4.9465	31.9947	57.2608	0.1550	4.3598	0.5695	4.9293	1.2437	0.5240	1.7677		14,521.5909	14,521.5909	0.1054		14,523.8047
Worker	9.2391	10.5056	114.7236	0.3968	31.2736	0.2253	31.4989	8.2952	0.2090	8.5042		27,834.2431	27,834.2431	1.2271		27,860.0118
<b>Total</b>	<b>14.1856</b>	<b>42.5002</b>	<b>171.9844</b>	<b>0.5518</b>	<b>35.6334</b>	<b>0.7949</b>	<b>36.4283</b>	<b>9.5389</b>	<b>0.7330</b>	<b>10.2719</b>		<b>42,355.8340</b>	<b>42,355.8340</b>	<b>1.3325</b>		<b>42,383.8165</b>

### 3.4 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
<b>Total</b>	<b>1.6992</b>	<b>15.5364</b>	<b>16.3276</b>	<b>0.0268</b>		<b>0.8057</b>	<b>0.8057</b>		<b>0.7581</b>	<b>0.7581</b>		<b>2,543.7497</b>	<b>2,543.7497</b>	<b>0.6085</b>		<b>2,556.5286</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	4.7738	28.1108	55.2216	0.1548	4.3600	0.5604	4.9204	1.2438	0.5156	1.7593		14,506.5951	14,506.5951	0.1076		14,508.8540
Worker	8.8053	9.9265	108.4247	0.3968	31.2736	0.2269	31.5005	8.2952	0.2105	8.5057		27,372.4546	27,372.4546	1.1772		27,397.1760
<b>Total</b>	<b>13.5791</b>	<b>38.0373</b>	<b>163.6463</b>	<b>0.5516</b>	<b>35.6336</b>	<b>0.7873</b>	<b>36.4209</b>	<b>9.5390</b>	<b>0.7260</b>	<b>10.2650</b>		<b>41,879.0497</b>	<b>41,879.0497</b>	<b>1.2848</b>		<b>41,906.0300</b>

### 3.4 Building Construction - 2022

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
<b>Total</b>	<b>1.6992</b>	<b>15.5364</b>	<b>16.3276</b>	<b>0.0268</b>		<b>0.8057</b>	<b>0.8057</b>		<b>0.7581</b>	<b>0.7581</b>	<b>0.0000</b>	<b>2,543.7497</b>	<b>2,543.7497</b>	<b>0.6085</b>		<b>2,556.5286</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	4.7738	28.1108	55.2216	0.1548	4.3600	0.5604	4.9204	1.2438	0.5156	1.7593		14,506.5951	14,506.5951	0.1076		14,508.8540
Worker	8.8053	9.9265	108.4247	0.3968	31.2736	0.2269	31.5005	8.2952	0.2105	8.5057		27,372.4546	27,372.4546	1.1772		27,397.1760
<b>Total</b>	<b>13.5791</b>	<b>38.0373</b>	<b>163.6463</b>	<b>0.5516</b>	<b>35.6336</b>	<b>0.7873</b>	<b>36.4209</b>	<b>9.5390</b>	<b>0.7260</b>	<b>10.2650</b>		<b>41,879.0497</b>	<b>41,879.0497</b>	<b>1.2848</b>		<b>41,906.0300</b>

### 3.4 Building Construction - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.6262	2,544.6262	0.6044		2,557.3191
<b>Total</b>	<b>1.5661</b>	<b>14.3126</b>	<b>16.2093</b>	<b>0.0268</b>		<b>0.6967</b>	<b>0.6967</b>		<b>0.6557</b>	<b>0.6557</b>		<b>2,544.6262</b>	<b>2,544.6262</b>	<b>0.6044</b>		<b>2,557.3191</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	4.4783	24.4993	52.9831	0.1545	4.3603	0.5470	4.9073	1.2439	0.5032	1.7471		14,474.2402	14,474.2402	0.1009		14,476.3595
Worker	8.4072	9.4160	102.7778	0.3967	31.2736	0.2286	31.5022	8.2952	0.2120	8.5072		26,960.5544	26,960.5544	1.1342		26,984.3726
<b>Total</b>	<b>12.8855</b>	<b>33.9153</b>	<b>155.7609</b>	<b>0.5512</b>	<b>35.6339</b>	<b>0.7755</b>	<b>36.4094</b>	<b>9.5391</b>	<b>0.7153</b>	<b>10.2543</b>		<b>41,434.7946</b>	<b>41,434.7946</b>	<b>1.2351</b>		<b>41,460.7321</b>

### 3.4 Building Construction - 2023

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1
<b>Total</b>	<b>1.5661</b>	<b>14.3126</b>	<b>16.2093</b>	<b>0.0268</b>		<b>0.6967</b>	<b>0.6967</b>		<b>0.6557</b>	<b>0.6557</b>	<b>0.0000</b>	<b>2,544.626 2</b>	<b>2,544.626 2</b>	<b>0.6044</b>		<b>2,557.319 1</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	4.4783	24.4993	52.9831	0.1545	4.3603	0.5470	4.9073	1.2439	0.5032	1.7471		14,474.24 02	14,474.24 02	0.1009		14,476.35 95
Worker	8.4072	9.4160	102.7778	0.3967	31.2736	0.2286	31.5022	8.2952	0.2120	8.5072		26,960.55 44	26,960.55 44	1.1342		26,984.37 26
<b>Total</b>	<b>12.8855</b>	<b>33.9153</b>	<b>155.7609</b>	<b>0.5512</b>	<b>35.6339</b>	<b>0.7755</b>	<b>36.4094</b>	<b>9.5391</b>	<b>0.7153</b>	<b>10.2543</b>		<b>41,434.79 46</b>	<b>41,434.79 46</b>	<b>1.2351</b>		<b>41,460.73 21</b>



### 3.4 Building Construction - 2024

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
<b>Total</b>	<b>1.4653</b>	<b>13.3774</b>	<b>16.1332</b>	<b>0.0268</b>		<b>0.6106</b>	<b>0.6106</b>		<b>0.5744</b>	<b>0.5744</b>		<b>2,545.1154</b>	<b>2,545.1154</b>	<b>0.6009</b>		<b>2,557.7349</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	4.2459	24.1642	50.4909	0.1544	4.3603	0.5490	4.9093	1.2439	0.5051	1.7490		14,473.3134	14,473.3134	0.1012		14,475.4394
Worker	8.0412	8.9689	98.0166	0.3967	31.2736	0.2303	31.5039	8.2952	0.2137	8.5089		26,594.6015	26,594.6015	1.0965		26,617.6279
<b>Total</b>	<b>12.2871</b>	<b>33.1332</b>	<b>148.5076</b>	<b>0.5511</b>	<b>35.6339</b>	<b>0.7793</b>	<b>36.4132</b>	<b>9.5391</b>	<b>0.7188</b>	<b>10.2579</b>		<b>41,067.9149</b>	<b>41,067.9149</b>	<b>1.1977</b>		<b>41,093.0673</b>

### 3.4 Building Construction - 2024

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
<b>Total</b>	<b>1.4653</b>	<b>13.3774</b>	<b>16.1332</b>	<b>0.0268</b>		<b>0.6106</b>	<b>0.6106</b>		<b>0.5744</b>	<b>0.5744</b>	<b>0.0000</b>	<b>2,545.1154</b>	<b>2,545.1154</b>	<b>0.6009</b>		<b>2,557.7349</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	4.2459	24.1642	50.4909	0.1544	4.3603	0.5490	4.9093	1.2439	0.5051	1.7490		14,473.3134	14,473.3134	0.1012		14,475.4394
Worker	8.0412	8.9689	98.0166	0.3967	31.2736	0.2303	31.5039	8.2952	0.2137	8.5089		26,594.6015	26,594.6015	1.0965		26,617.6279
<b>Total</b>	<b>12.2871</b>	<b>33.1332</b>	<b>148.5076</b>	<b>0.5511</b>	<b>35.6339</b>	<b>0.7793</b>	<b>36.4132</b>	<b>9.5391</b>	<b>0.7188</b>	<b>10.2579</b>		<b>41,067.9149</b>	<b>41,067.9149</b>	<b>1.1977</b>		<b>41,093.0673</b>

### 3.4 Building Construction - 2025

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.1417	23.9171	49.2933	0.1544	4.3606	0.5508	4.9114	1.2440	0.5067	1.7507		14,474.5389	14,474.5389	0.1015		14,476.6709
Worker	7.7318	8.5986	94.0710	0.3967	31.2736	0.2325	31.5061	8.2952	0.2157	8.5109		26,276.4227	26,276.4227	1.0654		26,298.7953
<b>Total</b>	<b>11.8735</b>	<b>32.5157</b>	<b>143.3643</b>	<b>0.5511</b>	<b>35.6342</b>	<b>0.7833</b>	<b>36.4175</b>	<b>9.5392</b>	<b>0.7224</b>	<b>10.2616</b>		<b>40,750.9616</b>	<b>40,750.9616</b>	<b>1.1669</b>		<b>40,775.4662</b>

### 3.4 Building Construction - 2025

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.1417	23.9171	49.2933	0.1544	4.3606	0.5508	4.9114	1.2440	0.5067	1.7507		14,474.5389	14,474.5389	0.1015		14,476.6709
Worker	7.7318	8.5986	94.0710	0.3967	31.2736	0.2325	31.5061	8.2952	0.2157	8.5109		26,276.4227	26,276.4227	1.0654		26,298.7953
<b>Total</b>	<b>11.8735</b>	<b>32.5157</b>	<b>143.3643</b>	<b>0.5511</b>	<b>35.6342</b>	<b>0.7833</b>	<b>36.4175</b>	<b>9.5392</b>	<b>0.7224</b>	<b>10.2616</b>		<b>40,750.9616</b>	<b>40,750.9616</b>	<b>1.1669</b>		<b>40,775.4662</b>

### 3.4 Building Construction - 2026

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.0504	23.5413	48.4118	0.1544	4.3610	0.5447	4.9056	1.2441	0.5011	1.7452		14,475.7647	14,475.7647	0.1007		14,477.8803
Worker	7.4778	8.3094	91.0372	0.3967	31.2736	0.2351	31.5087	8.2952	0.2181	8.5133		26,001.9510	26,001.9510	1.0408		26,023.8069
<b>Total</b>	<b>11.5282</b>	<b>31.8507</b>	<b>139.4489</b>	<b>0.5511</b>	<b>35.6346</b>	<b>0.7797</b>	<b>36.4143</b>	<b>9.5394</b>	<b>0.7192</b>	<b>10.2585</b>		<b>40,477.7157</b>	<b>40,477.7157</b>	<b>1.1415</b>		<b>40,501.6872</b>

### 3.4 Building Construction - 2026

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.0504	23.5413	48.4118	0.1544	4.3610	0.5447	4.9056	1.2441	0.5011	1.7452		14,475.7647	14,475.7647	0.1007		14,477.8803
Worker	7.4778	8.3094	91.0372	0.3967	31.2736	0.2351	31.5087	8.2952	0.2181	8.5133		26,001.9510	26,001.9510	1.0408		26,023.8069
<b>Total</b>	<b>11.5282</b>	<b>31.8507</b>	<b>139.4489</b>	<b>0.5511</b>	<b>35.6346</b>	<b>0.7797</b>	<b>36.4143</b>	<b>9.5394</b>	<b>0.7192</b>	<b>10.2585</b>		<b>40,477.7157</b>	<b>40,477.7157</b>	<b>1.1415</b>		<b>40,501.6872</b>

### 3.4 Building Construction - 2027

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.9663	23.3096	47.2438	0.1544	4.3614	0.5454	4.9067	1.2443	0.5017	1.7460		14,477.5089	14,477.5089	0.1009		14,479.6279
Worker	7.2425	8.0614	88.3602	0.3967	31.2736	0.2372	31.5108	8.2952	0.2201	8.5153		25,765.6957	25,765.6957	1.0191		25,787.0968
<b>Total</b>	<b>11.2089</b>	<b>31.3710</b>	<b>135.6039</b>	<b>0.5511</b>	<b>35.6350</b>	<b>0.7826</b>	<b>36.4176</b>	<b>9.5395</b>	<b>0.7218</b>	<b>10.2614</b>		<b>40,243.2046</b>	<b>40,243.2046</b>	<b>1.1200</b>		<b>40,266.7246</b>

### 3.4 Building Construction - 2027

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.9663	23.3096	47.2438	0.1544	4.3614	0.5454	4.9067	1.2443	0.5017	1.7460		14,477.5089	14,477.5089	0.1009		14,479.6279
Worker	7.2425	8.0614	88.3602	0.3967	31.2736	0.2372	31.5108	8.2952	0.2201	8.5153		25,765.6957	25,765.6957	1.0191		25,787.0968
<b>Total</b>	<b>11.2089</b>	<b>31.3710</b>	<b>135.6039</b>	<b>0.5511</b>	<b>35.6350</b>	<b>0.7826</b>	<b>36.4176</b>	<b>9.5395</b>	<b>0.7218</b>	<b>10.2614</b>		<b>40,243.2046</b>	<b>40,243.2046</b>	<b>1.1200</b>		<b>40,266.7246</b>



### 3.4 Building Construction - 2028

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.9277	23.1183	46.8828	0.1544	4.3618	0.5444	4.9062	1.2445	0.5009	1.7453		14,479.5597	14,479.5597	0.1008		14,481.6773
Worker	7.0126	7.8209	85.9331	0.3967	31.2736	0.2392	31.5128	8.2952	0.2219	8.5171		25,564.6109	25,564.6109	0.9990		25,585.5892
<b>Total</b>	<b>10.9403</b>	<b>30.9392</b>	<b>132.8160</b>	<b>0.5511</b>	<b>35.6354</b>	<b>0.7836</b>	<b>36.4190</b>	<b>9.5397</b>	<b>0.7228</b>	<b>10.2625</b>		<b>40,044.1706</b>	<b>40,044.1706</b>	<b>1.0998</b>		<b>40,067.2665</b>

### 3.4 Building Construction - 2028

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.9277	23.1183	46.8828	0.1544	4.3618	0.5444	4.9062	1.2445	0.5009	1.7453		14,479.5597	14,479.5597	0.1008		14,481.6773
Worker	7.0126	7.8209	85.9331	0.3967	31.2736	0.2392	31.5128	8.2952	0.2219	8.5171		25,564.6109	25,564.6109	0.9990		25,585.5892
<b>Total</b>	<b>10.9403</b>	<b>30.9392</b>	<b>132.8160</b>	<b>0.5511</b>	<b>35.6354</b>	<b>0.7836</b>	<b>36.4190</b>	<b>9.5397</b>	<b>0.7228</b>	<b>10.2625</b>		<b>40,044.1706</b>	<b>40,044.1706</b>	<b>1.0998</b>		<b>40,067.2665</b>

### 3.4 Building Construction - 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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.8716	22.9679	46.2594	0.1544	4.3621	0.5444	4.9065	1.2446	0.5008	1.7454		14,481.1507	14,481.1507	0.1009		14,483.2694
Worker	6.7850	7.5848	83.5990	0.3967	31.2736	0.2407	31.5143	8.2952	0.2233	8.5185		25,393.3336	25,393.3336	0.9797		25,413.9062
<b>Total</b>	<b>10.6566</b>	<b>30.5527</b>	<b>129.8584</b>	<b>0.5511</b>	<b>35.6357</b>	<b>0.7851</b>	<b>36.4208</b>	<b>9.5398</b>	<b>0.7242</b>	<b>10.2640</b>		<b>39,874.4843</b>	<b>39,874.4843</b>	<b>1.0805</b>		<b>39,897.1755</b>

### 3.4 Building Construction - 2029

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.8716	22.9679	46.2594	0.1544	4.3621	0.5444	4.9065	1.2446	0.5008	1.7454		14,481.1507	14,481.1507	0.1009		14,483.2694
Worker	6.7850	7.5848	83.5990	0.3967	31.2736	0.2407	31.5143	8.2952	0.2233	8.5185		25,393.3336	25,393.3336	0.9797		25,413.9062
<b>Total</b>	<b>10.6566</b>	<b>30.5527</b>	<b>129.8584</b>	<b>0.5511</b>	<b>35.6357</b>	<b>0.7851</b>	<b>36.4208</b>	<b>9.5398</b>	<b>0.7242</b>	<b>10.2640</b>		<b>39,874.4843</b>	<b>39,874.4843</b>	<b>1.0805</b>		<b>39,897.1755</b>

### 3.4 Building Construction - 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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.8302	22.8500	45.9404	0.1544	4.3625	0.5445	4.9070	1.2447	0.5009	1.7457		14,482.7958	14,482.7958	0.1009		14,484.9154
Worker	6.5693	7.3749	81.5176	0.3967	31.2736	0.2418	31.5154	8.2952	0.2243	8.5195		25,248.0554	25,248.0554	0.9619		25,268.2558
<b>Total</b>	<b>10.3995</b>	<b>30.2249</b>	<b>127.4579</b>	<b>0.5511</b>	<b>35.6361</b>	<b>0.7863</b>	<b>36.4223</b>	<b>9.5400</b>	<b>0.7253</b>	<b>10.2652</b>		<b>39,730.8512</b>	<b>39,730.8512</b>	<b>1.0629</b>		<b>39,753.1713</b>

### 3.4 Building Construction - 2030

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.8302	22.8500	45.9404	0.1544	4.3625	0.5445	4.9070	1.2447	0.5009	1.7457		14,482.7958	14,482.7958	0.1009		14,484.9154
Worker	6.5693	7.3749	81.5176	0.3967	31.2736	0.2418	31.5154	8.2952	0.2243	8.5195		25,248.0554	25,248.0554	0.9619		25,268.2558
<b>Total</b>	<b>10.3995</b>	<b>30.2249</b>	<b>127.4579</b>	<b>0.5511</b>	<b>35.6361</b>	<b>0.7863</b>	<b>36.4223</b>	<b>9.5400</b>	<b>0.7253</b>	<b>10.2652</b>		<b>39,730.8512</b>	<b>39,730.8512</b>	<b>1.0629</b>		<b>39,753.1713</b>

### 3.4 Building Construction - 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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.7967	22.7603	45.7399	0.1544	4.3621	0.5447	4.9068	1.2446	0.5011	1.7457		14,482.0230	14,482.0230	0.1010		14,484.1437
Worker	6.3836	7.1919	79.8654	0.3967	31.2736	0.2425	31.5161	8.2952	0.2250	8.5202		25,126.0776	25,126.0776	0.9470		25,145.9647
<b>Total</b>	<b>10.1804</b>	<b>29.9522</b>	<b>125.6053</b>	<b>0.5511</b>	<b>35.6357</b>	<b>0.7871</b>	<b>36.4228</b>	<b>9.5398</b>	<b>0.7260</b>	<b>10.2658</b>		<b>39,608.1006</b>	<b>39,608.1006</b>	<b>1.0480</b>		<b>39,630.1083</b>

### 3.4 Building Construction - 2031

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.7967	22.7603	45.7399	0.1544	4.3621	0.5447	4.9068	1.2446	0.5011	1.7457		14,482.0230	14,482.0230	0.1010		14,484.1437
Worker	6.3836	7.1919	79.8654	0.3967	31.2736	0.2425	31.5161	8.2952	0.2250	8.5202		25,126.0776	25,126.0776	0.9470		25,145.9647
<b>Total</b>	<b>10.1804</b>	<b>29.9522</b>	<b>125.6053</b>	<b>0.5511</b>	<b>35.6357</b>	<b>0.7871</b>	<b>36.4228</b>	<b>9.5398</b>	<b>0.7260</b>	<b>10.2658</b>		<b>39,608.1006</b>	<b>39,608.1006</b>	<b>1.0480</b>		<b>39,630.1083</b>



### 3.4 Building Construction - 2032

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.7643	22.6866	45.5777	0.1544	4.3618	0.5447	4.9066	1.2445	0.5012	1.7456		14,481.3871	14,481.3871	0.1010		14,483.5085
Worker	6.2132	7.0383	78.3987	0.3967	31.2736	0.2429	31.5165	8.2952	0.2253	8.5205		25,024.2940	25,024.2940	0.9339		25,043.9054
<b>Total</b>	<b>9.9776</b>	<b>29.7249</b>	<b>123.9764</b>	<b>0.5511</b>	<b>35.6354</b>	<b>0.7876</b>	<b>36.4230</b>	<b>9.5397</b>	<b>0.7265</b>	<b>10.2662</b>		<b>39,505.6811</b>	<b>39,505.6811</b>	<b>1.0349</b>		<b>39,527.4138</b>

### 3.4 Building Construction - 2032

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.7643	22.6866	45.5777	0.1544	4.3618	0.5447	4.9066	1.2445	0.5012	1.7456		14,481.3871	14,481.3871	0.1010		14,483.5085
Worker	6.2132	7.0383	78.3987	0.3967	31.2736	0.2429	31.5165	8.2952	0.2253	8.5205		25,024.2940	25,024.2940	0.9339		25,043.9054
<b>Total</b>	<b>9.9776</b>	<b>29.7249</b>	<b>123.9764</b>	<b>0.5511</b>	<b>35.6354</b>	<b>0.7876</b>	<b>36.4230</b>	<b>9.5397</b>	<b>0.7265</b>	<b>10.2662</b>		<b>39,505.6811</b>	<b>39,505.6811</b>	<b>1.0349</b>		<b>39,527.4138</b>

### 3.4 Building Construction - 2033

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.7237	22.5979	45.4466	0.1544	4.3614	0.5446	4.9060	1.2443	0.5011	1.7454		14,479.8367	14,479.8367	0.1010		14,481.9582
Worker	6.0451	6.8931	77.1031	0.3967	31.2736	0.2431	31.5167	8.2952	0.2255	8.5208		24,939.7457	24,939.7457	0.9216		24,959.0989
<b>Total</b>	<b>9.7688</b>	<b>29.4910</b>	<b>122.5497</b>	<b>0.5511</b>	<b>35.6350</b>	<b>0.7877</b>	<b>36.4227</b>	<b>9.5395</b>	<b>0.7266</b>	<b>10.2661</b>		<b>39,419.5824</b>	<b>39,419.5824</b>	<b>1.0226</b>		<b>39,441.0571</b>

### 3.4 Building Construction - 2033

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.7237	22.5979	45.4466	0.1544	4.3614	0.5446	4.9060	1.2443	0.5011	1.7454		14,479.8367	14,479.8367	0.1010		14,481.9582
Worker	6.0451	6.8931	77.1031	0.3967	31.2736	0.2431	31.5167	8.2952	0.2255	8.5208		24,939.7457	24,939.7457	0.9216		24,959.0989
<b>Total</b>	<b>9.7688</b>	<b>29.4910</b>	<b>122.5497</b>	<b>0.5511</b>	<b>35.6350</b>	<b>0.7877</b>	<b>36.4227</b>	<b>9.5395</b>	<b>0.7266</b>	<b>10.2661</b>		<b>39,419.5824</b>	<b>39,419.5824</b>	<b>1.0226</b>		<b>39,441.0571</b>

### 3.4 Building Construction - 2034

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.6917	22.5377	45.3366	0.1544	4.3610	0.5445	4.9055	1.2441	0.5009	1.7450		14,478.5890	14,478.5890	0.1010		14,480.7102
Worker	5.8770	6.7733	75.7739	0.3967	31.2736	0.2431	31.5167	8.2952	0.2255	8.5207		24,868.5004	24,868.5004	0.9099		24,887.6089
<b>Total</b>	<b>9.5687</b>	<b>29.3110</b>	<b>121.1105</b>	<b>0.5511</b>	<b>35.6346</b>	<b>0.7875</b>	<b>36.4221</b>	<b>9.5393</b>	<b>0.7264</b>	<b>10.2658</b>		<b>39,347.0894</b>	<b>39,347.0894</b>	<b>1.0109</b>		<b>39,368.3191</b>

### 3.4 Building Construction - 2034

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.6917	22.5377	45.3366	0.1544	4.3610	0.5445	4.9055	1.2441	0.5009	1.7450		14,478.5890	14,478.5890	0.1010		14,480.7102
Worker	5.8770	6.7733	75.7739	0.3967	31.2736	0.2431	31.5167	8.2952	0.2255	8.5207		24,868.5004	24,868.5004	0.9099		24,887.6089
<b>Total</b>	<b>9.5687</b>	<b>29.3110</b>	<b>121.1105</b>	<b>0.5511</b>	<b>35.6346</b>	<b>0.7875</b>	<b>36.4221</b>	<b>9.5393</b>	<b>0.7264</b>	<b>10.2658</b>		<b>39,347.0894</b>	<b>39,347.0894</b>	<b>1.0109</b>		<b>39,368.3191</b>

### 3.4 Building Construction - 2035

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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	3.6681	22.4939	45.2511	0.1544	4.3606	0.5443	4.9049	1.2439	0.5008	1.7447		14,477.4562	14,477.4562	0.1010		14,479.5772
Worker	5.7268	6.6756	74.7153	0.3967	31.2736	0.2430	31.5166	8.2952	0.2255	8.5207		24,809.7150	24,809.7150	0.8997		24,828.6090
<b>Total</b>	<b>9.3949</b>	<b>29.1694</b>	<b>119.9664</b>	<b>0.5511</b>	<b>35.6342</b>	<b>0.7873</b>	<b>36.4215</b>	<b>9.5392</b>	<b>0.7263</b>	<b>10.2654</b>		<b>39,287.1711</b>	<b>39,287.1711</b>	<b>1.0007</b>		<b>39,308.1862</b>

### 3.4 Building Construction - 2035

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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	3.6681	22.4939	45.2511	0.1544	4.3606	0.5443	4.9049	1.2439	0.5008	1.7447		14,477.4562	14,477.4562	0.1010		14,479.5772
Worker	5.7268	6.6756	74.7153	0.3967	31.2736	0.2430	31.5166	8.2952	0.2255	8.5207		24,809.7150	24,809.7150	0.8997		24,828.6090
<b>Total</b>	<b>9.3949</b>	<b>29.1694</b>	<b>119.9664</b>	<b>0.5511</b>	<b>35.6342</b>	<b>0.7873</b>	<b>36.4215</b>	<b>9.5392</b>	<b>0.7263</b>	<b>10.2654</b>		<b>39,287.1711</b>	<b>39,287.1711</b>	<b>1.0007</b>		<b>39,308.1862</b>



### 3.4 Building Construction - 2036

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.1705	0.0000	3.1705	0.7782	0.0000	0.7782			0.0000			0.0000
Worker					27.1797	0.0000	27.1797	6.6714	0.0000	6.6714			0.0000			0.0000
<b>Total</b>					<b>30.3502</b>	<b>0.0000</b>	<b>30.3502</b>	<b>7.4496</b>	<b>0.0000</b>	<b>7.4496</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.4 Building Construction - 2036

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.1705	0.0000	3.1705	0.7782	0.0000	0.7782			0.0000			0.0000
Worker					27.1797	0.0000	27.1797	6.6714	0.0000	6.6714			0.0000			0.0000
<b>Total</b>					<b>30.3502</b>	<b>0.0000</b>	<b>30.3502</b>	<b>7.4496</b>	<b>0.0000</b>	<b>7.4496</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.4 Building Construction - 2037

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.1705	0.0000	3.1705	0.7782	0.0000	0.7782			0.0000			0.0000
Worker					27.1797	0.0000	27.1797	6.6714	0.0000	6.6714			0.0000			0.0000
<b>Total</b>					<b>30.3502</b>	<b>0.0000</b>	<b>30.3502</b>	<b>7.4496</b>	<b>0.0000</b>	<b>7.4496</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.4 Building Construction - 2037

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.1705	0.0000	3.1705	0.7782	0.0000	0.7782			0.0000			0.0000
Worker					27.1797	0.0000	27.1797	6.6714	0.0000	6.6714			0.0000			0.0000
<b>Total</b>					<b>30.3502</b>	<b>0.0000</b>	<b>30.3502</b>	<b>7.4496</b>	<b>0.0000</b>	<b>7.4496</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2037

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832		2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>		<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2037

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832	0.0000	2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>	<b>0.0000</b>	<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2038

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832		2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>		<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2038

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832	0.0000	2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>	<b>0.0000</b>	<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>



### 3.6 Architectural Coating - 2038

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	309.1036					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104			281.6665
<b>Total</b>	<b>309.2215</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>			<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					5.4331	0.0000	5.4331	1.3336	0.0000	1.3336			0.0000			0.0000
<b>Total</b>					<b>5.4331</b>	<b>0.0000</b>	<b>5.4331</b>	<b>1.3336</b>	<b>0.0000</b>	<b>1.3336</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.6 Architectural Coating - 2038

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	309.1036					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104			281.6665
<b>Total</b>	<b>309.2215</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>			<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Worker					5.4331	0.0000	5.4331	1.3336	0.0000	1.3336			0.0000				0.0000
<b>Total</b>					<b>5.4331</b>	<b>0.0000</b>	<b>5.4331</b>	<b>1.3336</b>	<b>0.0000</b>	<b>1.3336</b>			<b>0.0000</b>				<b>0.0000</b>

### 3.6 Architectural Coating - 2039

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	309.1036					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104			281.6665
<b>Total</b>	<b>309.2215</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>			<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Worker					5.4331	0.0000	5.4331	1.3336	0.0000	1.3336			0.0000				0.0000
<b>Total</b>					<b>5.4331</b>	<b>0.0000</b>	<b>5.4331</b>	<b>1.3336</b>	<b>0.0000</b>	<b>1.3336</b>			<b>0.0000</b>				<b>0.0000</b>

### 3.6 Architectural Coating - 2039

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	309.1036					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
<b>Total</b>	<b>309.2215</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>		<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					5.4331	0.0000	5.4331	1.3336	0.0000	1.3336			0.0000			0.0000
<b>Total</b>					<b>5.4331</b>	<b>0.0000</b>	<b>5.4331</b>	<b>1.3336</b>	<b>0.0000</b>	<b>1.3336</b>			<b>0.0000</b>			<b>0.0000</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	122.0556	249.2143	1,213.7468	3.5417	238.7362	3.8914	242.6277	63.7267	3.5907	67.3174		270,433.8096	270,433.8096	10.0444		270,644.7411
Unmitigated	122.0556	249.2143	1,213.7468	3.5417	238.7362	3.8914	242.6277	63.7267	3.5907	67.3174		270,433.8096	270,433.8096	10.0444		270,644.7411

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	36,379.84	36,379.84	36,379.84	103,875,479	103,875,479
City Park	865.51	865.51	865.51	1,847,727	1,847,727
Elementary School	1,701.00	0.00	0.00	2,679,001	2,679,001
Strip Mall	2,182.07	2,182.07	2,182.07	3,360,461	3,360,461
<b>Total</b>	<b>41,128.42</b>	<b>39,427.42</b>	<b>39,427.42</b>	<b>111,762,669</b>	<b>111,762,669</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
Apartments Mid Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.513300	0.073549	0.191092	0.130830	0.036094	0.005140	0.012550	0.022916	0.001871	0.002062	0.006564	0.000586	0.003446

**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	0.7883	6.7455	2.9307	0.0430		0.5447	0.5447		0.5447	0.5447		8,600.0989	8,600.0989	0.1648	0.1577	8,652.4376
NaturalGas Unmitigated	0.7883	6.7455	2.9307	0.0430		0.5447	0.5447		0.5447	0.5447		8,600.0989	8,600.0989	0.1648	0.1577	8,652.4376

### 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					
Elementary School	1278.1	0.0138	0.1253	0.1053	7.5000e-004		9.5200e-003	9.5200e-003		9.5200e-003	9.5200e-003		150.3648	150.3648	2.8800e-003	2.7600e-003	151.2799
Strip Mall	205.159	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		24.1363	24.1363	4.6000e-004	4.4000e-004	24.2832
Apartments Mid Rise	71617.6	0.7724	6.6001	2.8085	0.0421		0.5336	0.5336		0.5336	0.5336		8,425.5977	8,425.5977	0.1615	0.1545	8,476.8745
City Park	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
<b>Total</b>		<b>0.7883</b>	<b>6.7455</b>	<b>2.9307</b>	<b>0.0430</b>		<b>0.5447</b>	<b>0.5447</b>		<b>0.5447</b>	<b>0.5447</b>		<b>8,600.0989</b>	<b>8,600.0989</b>	<b>0.1648</b>	<b>0.1577</b>	<b>8,652.4376</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.2781	0.0138	0.1253	0.1053	7.5000e-004		9.5200e-003	9.5200e-003		9.5200e-003	9.5200e-003		150.3648	150.3648	2.8800e-003	2.7600e-003	151.2799
Strip Mall	0.205159	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		24.1363	24.1363	4.6000e-004	4.4000e-004	24.2832
Apartments Mid Rise	71.6176	0.7724	6.6001	2.8085	0.0421		0.5336	0.5336		0.5336	0.5336		8,425.5977	8,425.5977	0.1615	0.1545	8,476.8745
City Park	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
<b>Total</b>		<b>0.7883</b>	<b>6.7455</b>	<b>2.9307</b>	<b>0.0430</b>		<b>0.5447</b>	<b>0.5447</b>		<b>0.5447</b>	<b>0.5447</b>		<b>8,600.0989</b>	<b>8,600.0989</b>	<b>0.1648</b>	<b>0.1577</b>	<b>8,652.4376</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	7,476.2307	103.5654	9,383.7971	3.5319		1,265.0741	1,265.0741		1,265.0371	1,265.0371	132,415.621	56,241.6821	188,657.2942	122.8889	10.4155	194,466.7612
Unmitigated	7,476.2307	103.5654	9,383.7971	3.5319		1,265.0741	1,265.0741		1,265.0371	1,265.0371	132,415.621	56,241.6821	188,657.2942	122.8889	10.4155	194,466.7612



### 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	46.0065					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	121.2736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	7,296.9232	98.9997	8,989.0257	3.5111		1,262.9036	1,262.9036		1,262.8666	1,262.8666	132,415.6121	55,533.1765	187,948.7886	122.1976	10.4155	193,743.7400
Landscaping	12.0274	4.5657	394.7714	0.0208		2.1705	2.1705		2.1705	2.1705		708.5056	708.5056	0.6912		723.0212
<b>Total</b>	<b>7,476.2307</b>	<b>103.5654</b>	<b>9,383.7971</b>	<b>3.5319</b>		<b>1,265.0741</b>	<b>1,265.0741</b>		<b>1,265.0371</b>	<b>1,265.0371</b>	<b>132,415.6121</b>	<b>56,241.6821</b>	<b>188,657.2942</b>	<b>122.8889</b>	<b>10.4155</b>	<b>194,466.7612</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	46.0065					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	121.2736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	7,296.9232	98.9997	8,989.0257	3.5111		1,262.9036	1,262.9036		1,262.8666	1,262.8666	132,415.6121	55,533.1765	187,948.7886	122.1976	10.4155	193,743.7400
Landscaping	12.0274	4.5657	394.7714	0.0208		2.1705	2.1705		2.1705	2.1705		708.5056	708.5056	0.6912		723.0212
<b>Total</b>	<b>7,476.2307</b>	<b>103.5654</b>	<b>9,383.7971</b>	<b>3.5319</b>		<b>1,265.0741</b>	<b>1,265.0741</b>		<b>1,265.0371</b>	<b>1,265.0371</b>	<b>132,415.6121</b>	<b>56,241.6821</b>	<b>188,657.2942</b>	<b>122.8889</b>	<b>10.4155</b>	<b>194,466.7612</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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



**Central Village Specific Plan (Existing Approved Specific Plan)  
San Diego County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	13.10	75,243.03	0
City Park	18.16	Acre	18.16	791,049.60	0
Apartments Mid Rise	4,768.00	Dwelling Unit	163.94	4,768,000.00	13636
Strip Mall	32.70	1000sqft	34.00	32,700.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2020
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MW hr)</b>	720.49	<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 - Project Size

Construction Phase -

Off-road Equipment -

Trips and VMT -

Grading - 229.2 acre site

Architectural Coating - 150 g/l

Vehicle Trips - Adjusted to meet Otay Community Plan Assumptions

Area Coating - 150 g/l

Water And Wastewater -

Solid Waste -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	250
tblGrading	AcresOfGrading	1,162.50	229.20
tblGrading	AcresOfGrading	0.00	229.20
tblLandUse	LotAcreage	1.73	13.10
tblLandUse	LotAcreage	125.47	163.94
tblLandUse	LotAcreage	0.75	34.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblVehicleTrips	ST_TR	7.16	7.63
tblVehicleTrips	ST_TR	1.59	47.66
tblVehicleTrips	ST_TR	42.04	66.73
tblVehicleTrips	SU_TR	6.07	7.63
tblVehicleTrips	SU_TR	1.59	47.66
tblVehicleTrips	SU_TR	20.43	66.73
tblVehicleTrips	WD_TR	6.59	7.63
tblVehicleTrips	WD_TR	1.59	47.66
tblVehicleTrips	WD_TR	1.29	1.89
tblVehicleTrips	WD_TR	44.32	66.73

## 2.0 Emissions Summary

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### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.1663	69.6757	47.5874	0.0637	19.5645	3.3184	22.3198	10.1157	3.0529	12.6506	0.0000	6,470.1987	6,470.1987	1.9425	0.0000	6,510.9902
2018	5.3506	59.6101	43.0133	0.0637	6.7091	2.7892	9.4983	3.4103	2.5661	5.9763	0.0000	6,363.7433	6,363.7433	1.9416	0.0000	6,404.5174
2019	19.4635	81.2194	225.9700	0.5533	35.6335	2.5061	37.8526	9.5390	2.3056	11.6080	0.0000	45,042.3757	45,042.3757	2.0816	0.0000	45,086.0895
2020	18.2847	71.5000	214.6986	0.5530	35.6333	1.9731	37.6064	9.5389	1.8395	11.3784	0.0000	43,550.0682	43,550.0682	2.0038	0.0000	43,592.1485
2021	17.2121	61.8139	205.2124	0.5533	35.6334	1.7548	37.3882	9.5389	1.6354	11.1743	0.0000	43,083.2279	43,083.2279	1.9486	0.0000	43,124.1482
2022	16.3316	55.3814	195.6688	0.5531	35.6336	1.5979	37.2315	9.5390	1.4887	11.0277	0.0000	42,633.7986	42,633.7986	1.8969	0.0000	42,673.6341
2023	15.4434	49.8432	186.8977	0.5527	35.6339	1.4768	37.1107	9.5391	1.3751	10.9142	0.0000	42,213.7144	42,213.7144	1.8432	0.0000	42,252.4210
2024	14.6534	48.0480	178.0786	0.5526	35.6339	1.3944	37.0283	9.5391	1.2973	10.8364	0.0000	41,867.8793	41,867.8793	1.8023	0.0000	41,905.7275
2025	14.0877	46.4017	172.2663	0.5525	35.6342	1.3128	36.9470	9.5392	1.2205	10.7597	0.0000	41,569.6446	41,569.6446	1.7681	0.0000	41,606.7736
2026	13.7069	45.6828	168.0001	0.5525	35.6346	1.3093	36.9438	9.5393	1.2173	10.7566	0.0000	41,311.9172	41,311.9172	1.7427	0.0000	41,348.5132
2027	13.3432	45.1593	163.4878	0.5525	35.6350	1.3121	36.9471	9.5395	1.2199	10.7594	0.0000	41,090.6774	41,090.6774	1.7212	0.0000	41,126.8220
2028	13.0555	44.6883	160.6330	0.5525	35.6354	1.3131	36.9485	9.5397	1.2208	10.7605	0.0000	40,902.8703	40,902.8703	1.7010	0.0000	40,938.5909
2029	12.7456	44.2645	157.3972	0.5525	35.6357	1.3146	36.9503	9.5398	1.2222	10.7620	0.0000	40,742.5891	40,742.5891	1.6817	0.0000	40,777.9052
2030	12.4163	39.4121	155.0324	0.5564	35.6361	0.9384	36.5744	9.5400	0.8770	10.4170	0.0000	40,945.7109	40,945.7109	1.1823	0.0000	40,970.5395
2031	12.1846	39.1111	153.1596	0.5564	35.6357	0.9392	36.5749	9.5398	0.8778	10.4176	0.0000	40,829.5225	40,829.5225	1.1674	0.0000	40,854.0388
2032	11.9708	38.8603	151.5251	0.5564	35.6354	0.9397	36.5751	9.5397	0.8782	10.4179	0.0000	40,732.5607	40,732.5607	1.1544	0.0000	40,756.8020
2033	11.7437	38.6030	150.0891	0.5564	35.6350	0.9398	36.5748	9.5395	0.8783	10.4178	0.0000	40,651.0205	40,651.0205	1.1421	0.0000	40,675.0039

	ROG	NOx	CO	SO2	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					
2034	11.5277	38.4047	148.6578	0.5564	35.6346	0.9396	36.5742	9.5393	0.8782	10.4175	0.0000	40,582.3500	40,582.3500	1.1304	0.0000	40,606.0884
2035	11.2494	37.4817	147.4817	0.5564	35.6342	0.8819	36.5160	9.5391	0.8204	10.3596	0.0000	40,525.6762	40,525.6762	1.1119	0.0000	40,549.0261
2036	1.2123	7.1510	16.0922	0.0308	30.3502	0.0901	30.4403	7.4496	0.0901	7.5397	0.0000	2,884.8300	2,884.8300	0.1075	0.0000	2,887.0878
2037	1.2123	7.1510	16.0922	0.0308	30.3502	0.1832	30.4403	7.4496	0.1832	7.5397	0.0000	2,884.8300	2,884.8300	0.1075	0.0000	2,887.0878
2038	309.2215	4.7892	15.4905	0.0275	5.4331	0.1832	5.4430	1.3336	0.1832	1.3435	0.0000	2,599.9866	2,599.9866	0.1001	0.0000	2,602.0881
2039	309.2215	0.7577	1.7943	2.9700e-003	5.4331	9.9000e-003	5.4430	1.3336	9.9000e-003	1.3435	0.0000	281.4481	281.4481	0.0104	0.0000	281.6665
<b>Total</b>	<b>871.8043</b>	<b>975.0100</b>	<b>3,074.3260</b>	<b>9.6381</b>	<b>703.6276</b>	<b>29.4174</b>	<b>731.9285</b>	<b>193.2611</b>	<b>27.3375</b>	<b>219.5776</b>	<b>0.0000</b>	<b>729,760.6401</b>	<b>729,760.6401</b>	<b>31.2891</b>	<b>0.0000</b>	<b>730,417.7103</b>

**2.1 Overall Construction (Maximum Daily Emission)**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.1663	69.6757	47.5874	0.0637	19.5645	3.3184	22.3198	10.1157	3.0529	12.6506	0.0000	6,470.1986	6,470.1986	1.9425	0.0000	6,510.9902
2018	5.3506	59.6101	43.0133	0.0637	6.7091	2.7892	9.4983	3.4103	2.5661	5.9763	0.0000	6,363.7433	6,363.7433	1.9416	0.0000	6,404.5174
2019	19.4635	81.2194	225.9700	0.5533	35.6335	2.5061	37.8526	9.5390	2.3056	11.6080	0.0000	45,042.3757	45,042.3757	2.0816	0.0000	45,086.0895
2020	18.2847	71.5000	214.6986	0.5530	35.6333	1.9731	37.6064	9.5389	1.8395	11.3784	0.0000	43,550.0682	43,550.0682	2.0038	0.0000	43,592.1485
2021	17.2121	61.8139	205.2124	0.5533	35.6334	1.7548	37.3882	9.5389	1.6354	11.1743	0.0000	43,083.2279	43,083.2279	1.9486	0.0000	43,124.1482
2022	16.3316	55.3814	195.6688	0.5531	35.6336	1.5979	37.2315	9.5390	1.4887	11.0277	0.0000	42,633.7986	42,633.7986	1.8969	0.0000	42,673.6341



	ROG	NOx	CO	SO2	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					
2023	15.4434	49.8432	186.8977	0.5527	35.6339	1.4768	37.1107	9.5391	1.3751	10.9142	0.0000	42,213.71 44	42,213.71 44	1.8432	0.0000	42,252.42 10
2024	14.6534	48.0480	178.0786	0.5526	35.6339	1.3944	37.0283	9.5391	1.2973	10.8364	0.0000	41,867.87 93	41,867.87 93	1.8023	0.0000	41,905.72 75
2025	14.0877	46.4017	172.2663	0.5525	35.6342	1.3128	36.9470	9.5392	1.2205	10.7597	0.0000	41,569.64 46	41,569.64 46	1.7681	0.0000	41,606.77 36
2026	13.7069	45.6828	168.0001	0.5525	35.6346	1.3093	36.9438	9.5393	1.2173	10.7566	0.0000	41,311.917 2	41,311.917 2	1.7427	0.0000	41,348.51 32
2027	13.3432	45.1593	163.4878	0.5525	35.6350	1.3121	36.9471	9.5395	1.2199	10.7594	0.0000	41,090.67 74	41,090.67 74	1.7212	0.0000	41,126.82 20
2028	13.0555	44.6883	160.6330	0.5525	35.6354	1.3131	36.9485	9.5397	1.2208	10.7605	0.0000	40,902.87 03	40,902.87 03	1.7010	0.0000	40,938.59 09
2029	12.7456	44.2645	157.3972	0.5525	35.6357	1.3146	36.9503	9.5398	1.2222	10.7620	0.0000	40,742.58 91	40,742.58 91	1.6817	0.0000	40,777.90 52
2030	12.4163	39.4121	155.0324	0.5564	35.6361	0.9384	36.5744	9.5400	0.8770	10.4170	0.0000	40,945.71 09	40,945.71 09	1.1823	0.0000	40,970.53 95
2031	12.1846	39.1111	153.1596	0.5564	35.6357	0.9392	36.5749	9.5398	0.8778	10.4176	0.0000	40,829.52 25	40,829.52 25	1.1674	0.0000	40,854.03 88
2032	11.9708	38.8603	151.5251	0.5564	35.6354	0.9397	36.5751	9.5397	0.8782	10.4179	0.0000	40,732.56 07	40,732.56 07	1.1544	0.0000	40,756.80 20
2033	11.7437	38.6030	150.0891	0.5564	35.6350	0.9398	36.5748	9.5395	0.8783	10.4178	0.0000	40,651.02 05	40,651.02 05	1.1421	0.0000	40,675.00 39
2034	11.5277	38.4047	148.6578	0.5564	35.6346	0.9396	36.5742	9.5393	0.8782	10.4175	0.0000	40,582.35 00	40,582.35 00	1.1304	0.0000	40,606.08 84
2035	11.2494	37.4817	147.4817	0.5564	35.6342	0.8819	36.5160	9.5391	0.8204	10.3596	0.0000	40,525.67 62	40,525.67 62	1.1119	0.0000	40,549.02 61
2036	1.2123	7.1510	16.0922	0.0308	30.3502	0.0901	30.4403	7.4496	0.0901	7.5397	0.0000	2,884.830 0	2,884.830 0	0.1075	0.0000	2,887.087 8
2037	1.2123	7.1510	16.0922	0.0308	30.3502	0.1832	30.4403	7.4496	0.1832	7.5397	0.0000	2,884.830 0	2,884.830 0	0.1075	0.0000	2,887.087 8
2038	309.2215	4.7892	15.4905	0.0275	5.4331	0.1832	5.4430	1.3336	0.1832	1.3435	0.0000	2,599.986 6	2,599.986 6	0.1001	0.0000	2,602.088 1
2039	309.2215	0.7577	1.7943	2.9700e-003	5.4331	9.9000e-003	5.4430	1.3336	9.9000e-003	1.3435	0.0000	281.4481	281.4481	0.0104	0.0000	281.6665
<b>Total</b>	<b>871.8043</b>	<b>975.0100</b>	<b>3,074.326 0</b>	<b>9.6381</b>	<b>703.6276</b>	<b>29.4174</b>	<b>731.9285</b>	<b>193.2611</b>	<b>27.3375</b>	<b>219.5776</b>	<b>0.0000</b>	<b>729,760.6 400</b>	<b>729,760.6 400</b>	<b>31.2891</b>	<b>0.0000</b>	<b>730,417.7 103</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	7,476.2307	103.5654	9,383.7971	3.5319		1,265.0741	1,265.0741		1,265.0371	1,265.0371	132,415.6121	56,241.6821	188,657.2942	122.8889	10.4155	194,466.7612
Energy	0.7883	6.7455	2.9307	0.0430		0.5447	0.5447		0.5447	0.5447		8,600.0989	8,600.0989	0.1648	0.1577	8,652.4376
Mobile	129.3650	264.9081	1,276.7557	3.3652	238.7362	3.9050	242.6413	63.7267	3.6033	67.3299		257,529.2265	257,529.2265	10.0535		257,740.3504
<b>Total</b>	<b>7,606.3840</b>	<b>375.2189</b>	<b>10,663.4834</b>	<b>6.9401</b>	<b>238.7362</b>	<b>1,269.5238</b>	<b>1,508.2601</b>	<b>63.7267</b>	<b>1,269.1850</b>	<b>1,332.9117</b>	<b>132,415.6121</b>	<b>322,371.0075</b>	<b>454,786.6196</b>	<b>133.1072</b>	<b>10.5732</b>	<b>460,859.5492</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	7,476.2307	103.5654	9,383.7971	3.5319		1,265.0741	1,265.0741		1,265.0371	1,265.0371	132,415.6121	56,241.6821	188,657.2942	122.8889	10.4155	194,466.7612
Energy	0.7883	6.7455	2.9307	0.0430		0.5447	0.5447		0.5447	0.5447		8,600.0989	8,600.0989	0.1648	0.1577	8,652.4376
Mobile	129.3650	264.9081	1,276.7557	3.3652	238.7362	3.9050	242.6413	63.7267	3.6033	67.3299		257,529.2265	257,529.2265	10.0535		257,740.3504
<b>Total</b>	<b>7,606.3840</b>	<b>375.2189</b>	<b>10,663.4834</b>	<b>6.9401</b>	<b>238.7362</b>	<b>1,269.5238</b>	<b>1,508.2601</b>	<b>63.7267</b>	<b>1,269.1850</b>	<b>1,332.9117</b>	<b>132,415.6121</b>	<b>322,371.0075</b>	<b>454,786.6196</b>	<b>133.1072</b>	<b>10.5732</b>	<b>460,859.5492</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	Site Preparation	Site Preparation	1/1/2017	9/8/2017	5	180	
2	Grading	Grading	9/9/2017	6/21/2019	5	465	
3	Building Construction	Building Construction	6/22/2019	4/17/2037	5	4650	
4	Paving	Paving	4/18/2037	7/23/2038	5	330	
5	Architectural Coating	Architectural Coating	7/24/2038	10/28/2039	5	330	

Acres of Grading (Site Preparation Phase): 229.2

Acres of Grading (Grading Phase): 229.2

Acres of Paving: 0

Residential Indoor: 9,655,200; Residential Outdoor: 3,218,400; Non-Residential Indoor: 1,348,489; Non-Residential Outdoor: 449,496  
(Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,807.00	657.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	761.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

### 3.2 Site Preparation - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.4166	0.0000	19.4166	10.0765	0.0000	10.0765			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>19.4166</b>	<b>2.7542</b>	<b>22.1709</b>	<b>10.0765</b>	<b>2.5339</b>	<b>12.6104</b>		<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</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	0.0604	0.0753	0.7041	1.7600e-003	0.1479	1.0800e-003	0.1489	0.0392	9.9000e-004	0.0402		141.1467	141.1467	7.2500e-003		141.2989
<b>Total</b>	<b>0.0604</b>	<b>0.0753</b>	<b>0.7041</b>	<b>1.7600e-003</b>	<b>0.1479</b>	<b>1.0800e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.9000e-004</b>	<b>0.0402</b>		<b>141.1467</b>	<b>141.1467</b>	<b>7.2500e-003</b>		<b>141.2989</b>

### 3.2 Site Preparation - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.4166	0.0000	19.4166	10.0765	0.0000	10.0765			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>19.4166</b>	<b>2.7542</b>	<b>22.1709</b>	<b>10.0765</b>	<b>2.5339</b>	<b>12.6104</b>	<b>0.0000</b>	<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</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	0.0604	0.0753	0.7041	1.7600e-003	0.1479	1.0800e-003	0.1489	0.0392	9.9000e-004	0.0402		141.1467	141.1467	7.2500e-003		141.2989
<b>Total</b>	<b>0.0604</b>	<b>0.0753</b>	<b>0.7041</b>	<b>1.7600e-003</b>	<b>0.1479</b>	<b>1.0800e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.9000e-004</b>	<b>0.0402</b>		<b>141.1467</b>	<b>141.1467</b>	<b>7.2500e-003</b>		<b>141.2989</b>

### 3.3 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
<b>Total</b>	<b>6.0991</b>	<b>69.5920</b>	<b>46.8050</b>	<b>0.0617</b>	<b>6.5448</b>	<b>3.3172</b>	<b>9.8620</b>	<b>3.3667</b>	<b>3.0518</b>	<b>6.4185</b>		<b>6,313.3690</b>	<b>6,313.3690</b>	<b>1.9344</b>		<b>6,353.9915</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	0.0671	0.0837	0.7823	1.9500e-003	0.1643	1.1900e-003	0.1655	0.0436	1.1000e-003	0.0447		156.8296	156.8296	8.0500e-003		156.9987
<b>Total</b>	<b>0.0671</b>	<b>0.0837</b>	<b>0.7823</b>	<b>1.9500e-003</b>	<b>0.1643</b>	<b>1.1900e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.1000e-003</b>	<b>0.0447</b>		<b>156.8296</b>	<b>156.8296</b>	<b>8.0500e-003</b>		<b>156.9987</b>



### 3.3 Grading - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915
<b>Total</b>	<b>6.0991</b>	<b>69.5920</b>	<b>46.8050</b>	<b>0.0617</b>	<b>6.5448</b>	<b>3.3172</b>	<b>9.8620</b>	<b>3.3667</b>	<b>3.0518</b>	<b>6.4185</b>	<b>0.0000</b>	<b>6,313.3690</b>	<b>6,313.3690</b>	<b>1.9344</b>		<b>6,353.9915</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	0.0671	0.0837	0.7823	1.9500e-003	0.1643	1.1900e-003	0.1655	0.0436	1.1000e-003	0.0447		156.8296	156.8296	8.0500e-003		156.9987
<b>Total</b>	<b>0.0671</b>	<b>0.0837</b>	<b>0.7823</b>	<b>1.9500e-003</b>	<b>0.1643</b>	<b>1.1900e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.1000e-003</b>	<b>0.0447</b>		<b>156.8296</b>	<b>156.8296</b>	<b>8.0500e-003</b>		<b>156.9987</b>

### 3.3 Grading - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.8042	6,212.8042	1.9341		6,253.4209
<b>Total</b>	<b>5.2895</b>	<b>59.5338</b>	<b>42.3068</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.7880</b>	<b>9.3328</b>	<b>3.3667</b>	<b>2.5650</b>	<b>5.9317</b>		<b>6,212.8042</b>	<b>6,212.8042</b>	<b>1.9341</b>		<b>6,253.4209</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	0.0610	0.0763	0.7065	1.9500e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		150.9392	150.9392	7.4900e-003		151.0965
<b>Total</b>	<b>0.0610</b>	<b>0.0763</b>	<b>0.7065</b>	<b>1.9500e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>150.9392</b>	<b>150.9392</b>	<b>7.4900e-003</b>		<b>151.0965</b>

### 3.3 Grading - 2018

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650	0.0000	6,212.804 1	6,212.804 1	1.9341		6,253.420 9
<b>Total</b>	<b>5.2895</b>	<b>59.5338</b>	<b>42.3068</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.7880</b>	<b>9.3328</b>	<b>3.3667</b>	<b>2.5650</b>	<b>5.9317</b>	<b>0.0000</b>	<b>6,212.804 1</b>	<b>6,212.804 1</b>	<b>1.9341</b>		<b>6,253.420 9</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	0.0610	0.0763	0.7065	1.9500e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		150.9392	150.9392	7.4900e-003		151.0965
<b>Total</b>	<b>0.0610</b>	<b>0.0763</b>	<b>0.7065</b>	<b>1.9500e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>150.9392</b>	<b>150.9392</b>	<b>7.4900e-003</b>		<b>151.0965</b>

### 3.3 Grading - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.3121	6,111.3121	1.9336		6,151.9167
<b>Total</b>	<b>4.8912</b>	<b>54.1978</b>	<b>40.2888</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.5049</b>	<b>9.0497</b>	<b>3.3667</b>	<b>2.3045</b>	<b>5.6712</b>		<b>6,111.3121</b>	<b>6,111.3121</b>	<b>1.9336</b>		<b>6,151.9167</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	0.0566	0.0705	0.6492	1.9500e-003	0.1643	1.1600e-003	0.1655	0.0436	1.0800e-003	0.0447		145.4776	145.4776	7.0400e-003		145.6256
<b>Total</b>	<b>0.0566</b>	<b>0.0705</b>	<b>0.6492</b>	<b>1.9500e-003</b>	<b>0.1643</b>	<b>1.1600e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>145.4776</b>	<b>145.4776</b>	<b>7.0400e-003</b>		<b>145.6256</b>

### 3.3 Grading - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	6,111.3121	6,111.3121	1.9336		6,151.9167
<b>Total</b>	<b>4.8912</b>	<b>54.1978</b>	<b>40.2888</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.5049</b>	<b>9.0497</b>	<b>3.3667</b>	<b>2.3045</b>	<b>5.6712</b>	<b>0.0000</b>	<b>6,111.3121</b>	<b>6,111.3121</b>	<b>1.9336</b>		<b>6,151.9167</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	0.0566	0.0705	0.6492	1.9500e-003	0.1643	1.1600e-003	0.1655	0.0436	1.0800e-003	0.0447		145.4776	145.4776	7.0400e-003		145.6256
<b>Total</b>	<b>0.0566</b>	<b>0.0705</b>	<b>0.6492</b>	<b>1.9500e-003</b>	<b>0.1643</b>	<b>1.1600e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>145.4776</b>	<b>145.4776</b>	<b>7.0400e-003</b>		<b>145.6256</b>

### 3.4 Building Construction - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>		<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>		<b>2,593.9479</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	6.3332	46.8262	85.2828	0.1547	4.3599	0.7125	5.0725	1.2438	0.6554	1.8992		14,769.9504	14,769.9504	0.1127		14,772.3169
Worker	10.7787	13.4282	123.5669	0.3718	31.2736	0.2215	31.4951	8.2952	0.2054	8.5006		27,691.6635	27,691.6635	1.3410		27,719.8247
<b>Total</b>	<b>17.1119</b>	<b>60.2544</b>	<b>208.8496</b>	<b>0.5265</b>	<b>35.6335</b>	<b>0.9340</b>	<b>36.5676</b>	<b>9.5390</b>	<b>0.8608</b>	<b>10.3998</b>		<b>42,461.6139</b>	<b>42,461.6139</b>	<b>1.4537</b>		<b>42,492.1416</b>

### 3.4 Building Construction - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>	<b>0.0000</b>	<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>		<b>2,593.9479</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	6.3332	46.8262	85.2828	0.1547	4.3599	0.7125	5.0725	1.2438	0.6554	1.8992		14,769.9504	14,769.9504	0.1127		14,772.3169
Worker	10.7787	13.4282	123.5669	0.3718	31.2736	0.2215	31.4951	8.2952	0.2054	8.5006		27,691.6635	27,691.6635	1.3410		27,719.8247
<b>Total</b>	<b>17.1119</b>	<b>60.2544</b>	<b>208.8496</b>	<b>0.5265</b>	<b>35.6335</b>	<b>0.9340</b>	<b>36.5676</b>	<b>9.5390</b>	<b>0.8608</b>	<b>10.3998</b>		<b>42,461.6139</b>	<b>42,461.6139</b>	<b>1.4537</b>		<b>42,492.1416</b>

### 3.4 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
<b>Total</b>	<b>2.1113</b>	<b>19.0839</b>	<b>16.8084</b>	<b>0.0268</b>		<b>1.1128</b>	<b>1.1128</b>		<b>1.0465</b>	<b>1.0465</b>		<b>2,542.4799</b>	<b>2,542.4799</b>	<b>0.6194</b>		<b>2,555.4880</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	5.9807	39.8716	82.4727	0.1545	4.3597	0.6384	4.9981	1.2436	0.5873	1.8310		14,431.9935	14,431.9935	0.1092		14,434.2864
Worker	10.1928	12.5445	115.4175	0.3718	31.2736	0.2219	31.4955	8.2952	0.2057	8.5010		26,575.5948	26,575.5948	1.2752		26,602.3740
<b>Total</b>	<b>16.1734</b>	<b>52.4161</b>	<b>197.8902</b>	<b>0.5262</b>	<b>35.6333</b>	<b>0.8603</b>	<b>36.4936</b>	<b>9.5389</b>	<b>0.7931</b>	<b>10.3319</b>		<b>41,007.5883</b>	<b>41,007.5883</b>	<b>1.3844</b>		<b>41,036.6604</b>



### 3.4 Building Construction - 2020

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
<b>Total</b>	<b>2.1113</b>	<b>19.0839</b>	<b>16.8084</b>	<b>0.0268</b>		<b>1.1128</b>	<b>1.1128</b>		<b>1.0465</b>	<b>1.0465</b>	<b>0.0000</b>	<b>2,542.4799</b>	<b>2,542.4799</b>	<b>0.6194</b>		<b>2,555.4880</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	5.9807	39.8716	82.4727	0.1545	4.3597	0.6384	4.9981	1.2436	0.5873	1.8310		14,431.9935	14,431.9935	0.1092		14,434.2864
Worker	10.1928	12.5445	115.4175	0.3718	31.2736	0.2219	31.4955	8.2952	0.2057	8.5010		26,575.5948	26,575.5948	1.2752		26,602.3740
<b>Total</b>	<b>16.1734</b>	<b>52.4161</b>	<b>197.8902</b>	<b>0.5262</b>	<b>35.6333</b>	<b>0.8603</b>	<b>36.4936</b>	<b>9.5389</b>	<b>0.7931</b>	<b>10.3319</b>		<b>41,007.5883</b>	<b>41,007.5883</b>	<b>1.3844</b>		<b>41,036.6604</b>

### 3.4 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
<b>Total</b>	<b>1.8931</b>	<b>17.3403</b>	<b>16.5376</b>	<b>0.0268</b>		<b>0.9549</b>	<b>0.9549</b>		<b>0.8979</b>	<b>0.8979</b>		<b>2,542.7817</b>	<b>2,542.7817</b>	<b>0.6126</b>		<b>2,555.6462</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	5.6172	32.6984	79.3363	0.1542	4.3598	0.5746	4.9344	1.2437	0.5286	1.7723		14,408.8498	14,408.8498	0.1089		14,411.1369
Worker	9.7018	11.7753	109.3385	0.3723	31.2736	0.2253	31.4989	8.2952	0.2090	8.5042		26,131.5964	26,131.5964	1.2271		26,157.3651
<b>Total</b>	<b>15.3190</b>	<b>44.4737</b>	<b>188.6747</b>	<b>0.5265</b>	<b>35.6334</b>	<b>0.7999</b>	<b>36.4333</b>	<b>9.5389</b>	<b>0.7376</b>	<b>10.2765</b>		<b>40,540.4462</b>	<b>40,540.4462</b>	<b>1.3360</b>		<b>40,568.5021</b>

### 3.4 Building Construction - 2021

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
<b>Total</b>	<b>1.8931</b>	<b>17.3403</b>	<b>16.5376</b>	<b>0.0268</b>		<b>0.9549</b>	<b>0.9549</b>		<b>0.8979</b>	<b>0.8979</b>	<b>0.0000</b>	<b>2,542.7817</b>	<b>2,542.7817</b>	<b>0.6126</b>		<b>2,555.6462</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	5.6172	32.6984	79.3363	0.1542	4.3598	0.5746	4.9344	1.2437	0.5286	1.7723		14,408.8498	14,408.8498	0.1089		14,411.1369
Worker	9.7018	11.7753	109.3385	0.3723	31.2736	0.2253	31.4989	8.2952	0.2090	8.5042		26,131.5964	26,131.5964	1.2271		26,157.3651
<b>Total</b>	<b>15.3190</b>	<b>44.4737</b>	<b>188.6747</b>	<b>0.5265</b>	<b>35.6334</b>	<b>0.7999</b>	<b>36.4333</b>	<b>9.5389</b>	<b>0.7376</b>	<b>10.2765</b>		<b>40,540.4462</b>	<b>40,540.4462</b>	<b>1.3360</b>		<b>40,568.5021</b>

### 3.4 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
<b>Total</b>	<b>1.6992</b>	<b>15.5364</b>	<b>16.3276</b>	<b>0.0268</b>		<b>0.8057</b>	<b>0.8057</b>		<b>0.7581</b>	<b>0.7581</b>		<b>2,543.7497</b>	<b>2,543.7497</b>	<b>0.6085</b>		<b>2,556.5286</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	5.3869	28.7237	76.2104	0.1540	4.3600	0.5653	4.9253	1.2438	0.5201	1.7638		14,393.9288	14,393.9288	0.1112		14,396.2640
Worker	9.2455	11.1213	103.1308	0.3723	31.2736	0.2269	31.5005	8.2952	0.2105	8.5057		25,696.1201	25,696.1201	1.1772		25,720.8416
<b>Total</b>	<b>14.6324</b>	<b>39.8450</b>	<b>179.3412</b>	<b>0.5263</b>	<b>35.6336</b>	<b>0.7922</b>	<b>36.4258</b>	<b>9.5390</b>	<b>0.7306</b>	<b>10.2695</b>		<b>40,090.0489</b>	<b>40,090.0489</b>	<b>1.2884</b>		<b>40,117.1055</b>

### 3.4 Building Construction - 2022

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
<b>Total</b>	<b>1.6992</b>	<b>15.5364</b>	<b>16.3276</b>	<b>0.0268</b>		<b>0.8057</b>	<b>0.8057</b>		<b>0.7581</b>	<b>0.7581</b>	<b>0.0000</b>	<b>2,543.7497</b>	<b>2,543.7497</b>	<b>0.6085</b>		<b>2,556.5286</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	5.3869	28.7237	76.2104	0.1540	4.3600	0.5653	4.9253	1.2438	0.5201	1.7638		14,393.9288	14,393.9288	0.1112		14,396.2640
Worker	9.2455	11.1213	103.1308	0.3723	31.2736	0.2269	31.5005	8.2952	0.2105	8.5057		25,696.1201	25,696.1201	1.1772		25,720.8416
<b>Total</b>	<b>14.6324</b>	<b>39.8450</b>	<b>179.3412</b>	<b>0.5263</b>	<b>35.6336</b>	<b>0.7922</b>	<b>36.4258</b>	<b>9.5390</b>	<b>0.7306</b>	<b>10.2695</b>		<b>40,090.0489</b>	<b>40,090.0489</b>	<b>1.2884</b>		<b>40,117.1055</b>

### 3.4 Building Construction - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1
<b>Total</b>	<b>1.5661</b>	<b>14.3126</b>	<b>16.2093</b>	<b>0.0268</b>		<b>0.6967</b>	<b>0.6967</b>		<b>0.6557</b>	<b>0.6557</b>		<b>2,544.626 2</b>	<b>2,544.626 2</b>	<b>0.6044</b>		<b>2,557.319 1</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	5.0497	24.9862	73.1235	0.1536	4.3603	0.5515	4.9118	1.2439	0.5074	1.7513		14,361.52 53	14,361.52 53	0.1046		14,363.72 07
Worker	8.8276	10.5444	97.5649	0.3723	31.2736	0.2286	31.5022	8.2952	0.2120	8.5072		25,307.56 30	25,307.56 30	1.1342		25,331.38 12
<b>Total</b>	<b>13.8773</b>	<b>35.5306</b>	<b>170.6884</b>	<b>0.5258</b>	<b>35.6339</b>	<b>0.7801</b>	<b>36.4140</b>	<b>9.5391</b>	<b>0.7194</b>	<b>10.2585</b>		<b>39,669.08 82</b>	<b>39,669.08 82</b>	<b>1.2388</b>		<b>39,695.10 19</b>

### 3.4 Building Construction - 2023

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1
<b>Total</b>	<b>1.5661</b>	<b>14.3126</b>	<b>16.2093</b>	<b>0.0268</b>		<b>0.6967</b>	<b>0.6967</b>		<b>0.6557</b>	<b>0.6557</b>	<b>0.0000</b>	<b>2,544.626 2</b>	<b>2,544.626 2</b>	<b>0.6044</b>		<b>2,557.319 1</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	5.0497	24.9862	73.1235	0.1536	4.3603	0.5515	4.9118	1.2439	0.5074	1.7513		14,361.52 53	14,361.52 53	0.1046		14,363.72 07
Worker	8.8276	10.5444	97.5649	0.3723	31.2736	0.2286	31.5022	8.2952	0.2120	8.5072		25,307.56 30	25,307.56 30	1.1342		25,331.38 12
<b>Total</b>	<b>13.8773</b>	<b>35.5306</b>	<b>170.6884</b>	<b>0.5258</b>	<b>35.6339</b>	<b>0.7801</b>	<b>36.4140</b>	<b>9.5391</b>	<b>0.7194</b>	<b>10.2585</b>		<b>39,669.08 82</b>	<b>39,669.08 82</b>	<b>1.2388</b>		<b>39,695.10 19</b>

### 3.4 Building Construction - 2024

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
<b>Total</b>	<b>1.4653</b>	<b>13.3774</b>	<b>16.1332</b>	<b>0.0268</b>		<b>0.6106</b>	<b>0.6106</b>		<b>0.5744</b>	<b>0.5744</b>		<b>2,545.1154</b>	<b>2,545.1154</b>	<b>0.6009</b>		<b>2,557.7349</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	4.7442	24.6313	69.0694	0.1535	4.3603	0.5535	4.9138	1.2439	0.5093	1.7531		14,360.5926	14,360.5926	0.1049		14,362.7949
Worker	8.4439	10.0394	92.8760	0.3722	31.2736	0.2303	31.5039	8.2952	0.2137	8.5089		24,962.1713	24,962.1713	1.0965		24,985.1977
<b>Total</b>	<b>13.1881</b>	<b>34.6706</b>	<b>161.9453</b>	<b>0.5257</b>	<b>35.6339</b>	<b>0.7839</b>	<b>36.4178</b>	<b>9.5391</b>	<b>0.7230</b>	<b>10.2620</b>		<b>39,322.7639</b>	<b>39,322.7639</b>	<b>1.2014</b>		<b>39,347.9926</b>



### 3.4 Building Construction - 2024

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
<b>Total</b>	<b>1.4653</b>	<b>13.3774</b>	<b>16.1332</b>	<b>0.0268</b>		<b>0.6106</b>	<b>0.6106</b>		<b>0.5744</b>	<b>0.5744</b>	<b>0.0000</b>	<b>2,545.1154</b>	<b>2,545.1154</b>	<b>0.6009</b>		<b>2,557.7349</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	4.7442	24.6313	69.0694	0.1535	4.3603	0.5535	4.9138	1.2439	0.5093	1.7531		14,360.5926	14,360.5926	0.1049		14,362.7949
Worker	8.4439	10.0394	92.8760	0.3722	31.2736	0.2303	31.5039	8.2952	0.2137	8.5089		24,962.1713	24,962.1713	1.0965		24,985.1977
<b>Total</b>	<b>13.1881</b>	<b>34.6706</b>	<b>161.9453</b>	<b>0.5257</b>	<b>35.6339</b>	<b>0.7839</b>	<b>36.4178</b>	<b>9.5391</b>	<b>0.7230</b>	<b>10.2620</b>		<b>39,322.7639</b>	<b>39,322.7639</b>	<b>1.2014</b>		<b>39,347.9926</b>

### 3.4 Building Construction - 2025

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.6078	24.3706	67.2179	0.1535	4.3606	0.5553	4.9159	1.2440	0.5109	1.7549		14,361.8137	14,361.8137	0.1052		14,364.0220
Worker	8.1184	9.6214	88.9966	0.3722	31.2736	0.2325	31.5061	8.2952	0.2157	8.5109		24,661.9404	24,661.9404	1.0654		24,684.3130
<b>Total</b>	<b>12.7262</b>	<b>33.9921</b>	<b>156.2145</b>	<b>0.5257</b>	<b>35.6342</b>	<b>0.7878</b>	<b>36.4220</b>	<b>9.5392</b>	<b>0.7266</b>	<b>10.2658</b>		<b>39,023.7540</b>	<b>39,023.7540</b>	<b>1.1705</b>		<b>39,048.3350</b>

### 3.4 Building Construction - 2025

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.6078	24.3706	67.2179	0.1535	4.3606	0.5553	4.9159	1.2440	0.5109	1.7549		14,361.8137	14,361.8137	0.1052		14,364.0220
Worker	8.1184	9.6214	88.9966	0.3722	31.2736	0.2325	31.5061	8.2952	0.2157	8.5109		24,661.9404	24,661.9404	1.0654		24,684.3130
<b>Total</b>	<b>12.7262</b>	<b>33.9921</b>	<b>156.2145</b>	<b>0.5257</b>	<b>35.6342</b>	<b>0.7878</b>	<b>36.4220</b>	<b>9.5392</b>	<b>0.7266</b>	<b>10.2658</b>		<b>39,023.7540</b>	<b>39,023.7540</b>	<b>1.1705</b>		<b>39,048.3350</b>

### 3.4 Building Construction - 2026

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.4959	23.9782	65.9358	0.1535	4.3610	0.5492	4.9101	1.2441	0.5052	1.7494		14,363.0360	14,363.0360	0.1044		14,365.2281
Worker	7.8495	9.2949	86.0125	0.3722	31.2736	0.2351	31.5087	8.2952	0.2181	8.5133		24,402.9907	24,402.9907	1.0408		24,424.8466
<b>Total</b>	<b>12.3454</b>	<b>33.2731</b>	<b>151.9483</b>	<b>0.5256</b>	<b>35.6346</b>	<b>0.7842</b>	<b>36.4188</b>	<b>9.5394</b>	<b>0.7233</b>	<b>10.2627</b>		<b>38,766.0267</b>	<b>38,766.0267</b>	<b>1.1451</b>		<b>38,790.0747</b>

### 3.4 Building Construction - 2026

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.4959	23.9782	65.9358	0.1535	4.3610	0.5492	4.9101	1.2441	0.5052	1.7494		14,363.0360	14,363.0360	0.1044		14,365.2281
Worker	7.8495	9.2949	86.0125	0.3722	31.2736	0.2351	31.5087	8.2952	0.2181	8.5133		24,402.9907	24,402.9907	1.0408		24,424.8466
<b>Total</b>	<b>12.3454</b>	<b>33.2731</b>	<b>151.9483</b>	<b>0.5256</b>	<b>35.6346</b>	<b>0.7842</b>	<b>36.4188</b>	<b>9.5394</b>	<b>0.7233</b>	<b>10.2627</b>		<b>38,766.0267</b>	<b>38,766.0267</b>	<b>1.1451</b>		<b>38,790.0747</b>

### 3.4 Building Construction - 2027

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.3811	23.7348	64.0548	0.1534	4.3614	0.5499	4.9112	1.2443	0.5059	1.7502		14,364.7781	14,364.7781	0.1046		14,366.9737
Worker	7.6007	9.0148	83.3812	0.3722	31.2736	0.2372	31.5108	8.2952	0.2201	8.5153		24,180.0088	24,180.0088	1.0191		24,201.4098
<b>Total</b>	<b>11.9818</b>	<b>32.7496</b>	<b>147.4360</b>	<b>0.5256</b>	<b>35.6350</b>	<b>0.7871</b>	<b>36.4221</b>	<b>9.5395</b>	<b>0.7260</b>	<b>10.2655</b>		<b>38,544.7868</b>	<b>38,544.7868</b>	<b>1.1237</b>		<b>38,568.3834</b>

### 3.4 Building Construction - 2027

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.3811	23.7348	64.0548	0.1534	4.3614	0.5499	4.9112	1.2443	0.5059	1.7502		14,364.7781	14,364.7781	0.1046		14,366.9737
Worker	7.6007	9.0148	83.3812	0.3722	31.2736	0.2372	31.5108	8.2952	0.2201	8.5153		24,180.0088	24,180.0088	1.0191		24,201.4098
<b>Total</b>	<b>11.9818</b>	<b>32.7496</b>	<b>147.4360</b>	<b>0.5256</b>	<b>35.6350</b>	<b>0.7871</b>	<b>36.4221</b>	<b>9.5395</b>	<b>0.7260</b>	<b>10.2655</b>		<b>38,544.7868</b>	<b>38,544.7868</b>	<b>1.1237</b>		<b>38,568.3834</b>

### 3.4 Building Construction - 2028

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.3350	23.5351	63.5826	0.1534	4.3618	0.5489	4.9107	1.2445	0.5050	1.7495		14,366.8271	14,366.8271	0.1045		14,369.0215
Worker	7.3591	8.7435	80.9987	0.3722	31.2736	0.2392	31.5128	8.2952	0.2219	8.5171		23,990.1526	23,990.1526	0.9990		24,011.1309
<b>Total</b>	<b>11.6940</b>	<b>32.2786</b>	<b>144.5812</b>	<b>0.5256</b>	<b>35.6354</b>	<b>0.7881</b>	<b>36.4235</b>	<b>9.5397</b>	<b>0.7269</b>	<b>10.2666</b>		<b>38,356.9798</b>	<b>38,356.9798</b>	<b>1.1035</b>		<b>38,380.1524</b>



### 3.4 Building Construction - 2028

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.3350	23.5351	63.5826	0.1534	4.3618	0.5489	4.9107	1.2445	0.5050	1.7495		14,366.8271	14,366.8271	0.1045		14,369.0215
Worker	7.3591	8.7435	80.9987	0.3722	31.2736	0.2392	31.5128	8.2952	0.2219	8.5171		23,990.1526	23,990.1526	0.9990		24,011.1309
<b>Total</b>	<b>11.6940</b>	<b>32.2786</b>	<b>144.5812</b>	<b>0.5256</b>	<b>35.6354</b>	<b>0.7881</b>	<b>36.4235</b>	<b>9.5397</b>	<b>0.7269</b>	<b>10.2666</b>		<b>38,356.9798</b>	<b>38,356.9798</b>	<b>1.1035</b>		<b>38,380.1524</b>

### 3.4 Building Construction - 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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.2625	23.3775	62.6340	0.1534	4.3621	0.5489	4.9110	1.2446	0.5050	1.7496		14,368.4169	14,368.4169	0.1045		14,370.6122
Worker	7.1216	8.4773	78.7114	0.3722	31.2736	0.2407	31.5143	8.2952	0.2233	8.5185		23,828.2817	23,828.2817	0.9797		23,848.8544
<b>Total</b>	<b>11.3841</b>	<b>31.8548</b>	<b>141.3455</b>	<b>0.5256</b>	<b>35.6357</b>	<b>0.7896</b>	<b>36.4253</b>	<b>9.5398</b>	<b>0.7283</b>	<b>10.2681</b>		<b>38,196.6986</b>	<b>38,196.6986</b>	<b>1.0842</b>		<b>38,219.4666</b>

### 3.4 Building Construction - 2029

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.2625	23.3775	62.6340	0.1534	4.3621	0.5489	4.9110	1.2446	0.5050	1.7496		14,368.4169	14,368.4169	0.1045		14,370.6122
Worker	7.1216	8.4773	78.7114	0.3722	31.2736	0.2407	31.5143	8.2952	0.2233	8.5185		23,828.2817	23,828.2817	0.9797		23,848.8544
<b>Total</b>	<b>11.3841</b>	<b>31.8548</b>	<b>141.3455</b>	<b>0.5256</b>	<b>35.6357</b>	<b>0.7896</b>	<b>36.4253</b>	<b>9.5398</b>	<b>0.7283</b>	<b>10.2681</b>		<b>38,196.6986</b>	<b>38,196.6986</b>	<b>1.0842</b>		<b>38,219.4666</b>

### 3.4 Building Construction - 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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.2138	23.2538	62.2274	0.1535	4.3625	0.5490	4.9114	1.2447	0.5051	1.7498		14,370.0609	14,370.0609	0.1046		14,372.2574
Worker	6.8984	8.2404	76.6737	0.3722	31.2736	0.2418	31.5154	8.2952	0.2243	8.5195		23,690.8201	23,690.8201	0.9619		23,711.0205
<b>Total</b>	<b>11.1122</b>	<b>31.4942</b>	<b>138.9011</b>	<b>0.5256</b>	<b>35.6361</b>	<b>0.7908</b>	<b>36.4268</b>	<b>9.5400</b>	<b>0.7294</b>	<b>10.2693</b>		<b>38,060.8810</b>	<b>38,060.8810</b>	<b>1.0665</b>		<b>38,083.2778</b>

### 3.4 Building Construction - 2030

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.2138	23.2538	62.2274	0.1535	4.3625	0.5490	4.9114	1.2447	0.5051	1.7498		14,370.0609	14,370.0609	0.1046		14,372.2574
Worker	6.8984	8.2404	76.6737	0.3722	31.2736	0.2418	31.5154	8.2952	0.2243	8.5195		23,690.8201	23,690.8201	0.9619		23,711.0205
<b>Total</b>	<b>11.1122</b>	<b>31.4942</b>	<b>138.9011</b>	<b>0.5256</b>	<b>35.6361</b>	<b>0.7908</b>	<b>36.4268</b>	<b>9.5400</b>	<b>0.7294</b>	<b>10.2693</b>		<b>38,060.8810</b>	<b>38,060.8810</b>	<b>1.0665</b>		<b>38,083.2778</b>

### 3.4 Building Construction - 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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.1742	23.1596	61.9775	0.1534	4.3621	0.5491	4.9113	1.2446	0.5052	1.7498		14,369.2869	14,369.2869	0.1046		14,371.4844
Worker	6.7062	8.0336	75.0508	0.3722	31.2736	0.2425	31.5161	8.2952	0.2250	8.5202		23,575.4057	23,575.4057	0.9470		23,595.2927
<b>Total</b>	<b>10.8805</b>	<b>31.1932</b>	<b>137.0283</b>	<b>0.5256</b>	<b>35.6357</b>	<b>0.7916</b>	<b>36.4273</b>	<b>9.5398</b>	<b>0.7302</b>	<b>10.2700</b>		<b>37,944.6925</b>	<b>37,944.6925</b>	<b>1.0516</b>		<b>37,966.7771</b>

### 3.4 Building Construction - 2031

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.1742	23.1596	61.9775	0.1534	4.3621	0.5491	4.9113	1.2446	0.5052	1.7498		14,369.2869	14,369.2869	0.1046		14,371.4844
Worker	6.7062	8.0336	75.0508	0.3722	31.2736	0.2425	31.5161	8.2952	0.2250	8.5202		23,575.4057	23,575.4057	0.9470		23,595.2927
<b>Total</b>	<b>10.8805</b>	<b>31.1932</b>	<b>137.0283</b>	<b>0.5256</b>	<b>35.6357</b>	<b>0.7916</b>	<b>36.4273</b>	<b>9.5398</b>	<b>0.7302</b>	<b>10.2700</b>		<b>37,944.6925</b>	<b>37,944.6925</b>	<b>1.0516</b>		<b>37,966.7771</b>

### 3.4 Building Construction - 2032

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.1361	23.0823	61.7796	0.1534	4.3618	0.5492	4.9111	1.2445	0.5053	1.7498		14,368.6504	14,368.6504	0.1047		14,370.8487
Worker	6.5306	7.8601	73.6142	0.3722	31.2736	0.2429	31.5165	8.2952	0.2253	8.5205		23,479.0803	23,479.0803	0.9339		23,498.6916
<b>Total</b>	<b>10.6666</b>	<b>30.9424</b>	<b>135.3938</b>	<b>0.5256</b>	<b>35.6354</b>	<b>0.7921</b>	<b>36.4275</b>	<b>9.5397</b>	<b>0.7306</b>	<b>10.2703</b>		<b>37,847.7307</b>	<b>37,847.7307</b>	<b>1.0386</b>		<b>37,869.5403</b>



### 3.4 Building Construction - 2032

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.1361	23.0823	61.7796	0.1534	4.3618	0.5492	4.9111	1.2445	0.5053	1.7498		14,368.6504	14,368.6504	0.1047		14,370.8487
Worker	6.5306	7.8601	73.6142	0.3722	31.2736	0.2429	31.5165	8.2952	0.2253	8.5205		23,479.0803	23,479.0803	0.9339		23,498.6916
<b>Total</b>	<b>10.6666</b>	<b>30.9424</b>	<b>135.3938</b>	<b>0.5256</b>	<b>35.6354</b>	<b>0.7921</b>	<b>36.4275</b>	<b>9.5397</b>	<b>0.7306</b>	<b>10.2703</b>		<b>37,847.7307</b>	<b>37,847.7307</b>	<b>1.0386</b>		<b>37,869.5403</b>

### 3.4 Building Construction - 2033

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.0884	22.9887	61.6168	0.1534	4.3614	0.5491	4.9105	1.2443	0.5052	1.7495		14,367.0991	14,367.0991	0.1047		14,369.2975
Worker	6.3513	7.6965	72.3410	0.3722	31.2736	0.2431	31.5167	8.2952	0.2255	8.5208		23,399.0915	23,399.0915	0.9216		23,418.4447
<b>Total</b>	<b>10.4396</b>	<b>30.6851</b>	<b>133.9578</b>	<b>0.5256</b>	<b>35.6350</b>	<b>0.7922</b>	<b>36.4272</b>	<b>9.5395</b>	<b>0.7307</b>	<b>10.2702</b>		<b>37,766.1906</b>	<b>37,766.1906</b>	<b>1.0263</b>		<b>37,787.7421</b>

### 3.4 Building Construction - 2033

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.0884	22.9887	61.6168	0.1534	4.3614	0.5491	4.9105	1.2443	0.5052	1.7495		14,367.0991	14,367.0991	0.1047		14,369.2975
Worker	6.3513	7.6965	72.3410	0.3722	31.2736	0.2431	31.5167	8.2952	0.2255	8.5208		23,399.0915	23,399.0915	0.9216		23,418.4447
<b>Total</b>	<b>10.4396</b>	<b>30.6851</b>	<b>133.9578</b>	<b>0.5256</b>	<b>35.6350</b>	<b>0.7922</b>	<b>36.4272</b>	<b>9.5395</b>	<b>0.7307</b>	<b>10.2702</b>		<b>37,766.1906</b>	<b>37,766.1906</b>	<b>1.0263</b>		<b>37,787.7421</b>

### 3.4 Building Construction - 2034

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.0507	22.9252	61.4818	0.1534	4.3610	0.5490	4.9099	1.2441	0.5050	1.7492		14,365.8501	14,365.8501	0.1047		14,368.0483
Worker	6.1729	7.5617	71.0447	0.3722	31.2736	0.2431	31.5167	8.2952	0.2255	8.5207		23,331.6699	23,331.6699	0.9099		23,350.7784
<b>Total</b>	<b>10.2236</b>	<b>30.4868</b>	<b>132.5265</b>	<b>0.5256</b>	<b>35.6346</b>	<b>0.7920</b>	<b>36.4266</b>	<b>9.5393</b>	<b>0.7306</b>	<b>10.2699</b>		<b>37,697.5201</b>	<b>37,697.5201</b>	<b>1.0146</b>		<b>37,718.8267</b>

### 3.4 Building Construction - 2034

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.0507	22.9252	61.4818	0.1534	4.3610	0.5490	4.9099	1.2441	0.5050	1.7492		14,365.8501	14,365.8501	0.1047		14,368.0483
Worker	6.1729	7.5617	71.0447	0.3722	31.2736	0.2431	31.5167	8.2952	0.2255	8.5207		23,331.6699	23,331.6699	0.9099		23,350.7784
<b>Total</b>	<b>10.2236</b>	<b>30.4868</b>	<b>132.5265</b>	<b>0.5256</b>	<b>35.6346</b>	<b>0.7920</b>	<b>36.4266</b>	<b>9.5393</b>	<b>0.7306</b>	<b>10.2699</b>		<b>37,697.5201</b>	<b>37,697.5201</b>	<b>1.0146</b>		<b>37,718.8267</b>

### 3.4 Building Construction - 2035

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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	4.0229	22.8789	61.3800	0.1534	4.3606	0.5488	4.9094	1.2439	0.5049	1.7488		14,364.7161	14,364.7161	0.1047		14,366.9142
Worker	6.0143	7.4519	70.0096	0.3722	31.2736	0.2430	31.5166	8.2952	0.2255	8.5207		23,276.1301	23,276.1301	0.8997		23,295.0241
<b>Total</b>	<b>10.0371</b>	<b>30.3308</b>	<b>131.3896</b>	<b>0.5256</b>	<b>35.6342</b>	<b>0.7918</b>	<b>36.4260</b>	<b>9.5392</b>	<b>0.7304</b>	<b>10.2695</b>		<b>37,640.8463</b>	<b>37,640.8463</b>	<b>1.0044</b>		<b>37,661.9383</b>

### 3.4 Building Construction - 2035

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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	4.0229	22.8789	61.3800	0.1534	4.3606	0.5488	4.9094	1.2439	0.5049	1.7488		14,364.7161	14,364.7161	0.1047		14,366.9142
Worker	6.0143	7.4519	70.0096	0.3722	31.2736	0.2430	31.5166	8.2952	0.2255	8.5207		23,276.1301	23,276.1301	0.8997		23,295.0241
<b>Total</b>	<b>10.0371</b>	<b>30.3308</b>	<b>131.3896</b>	<b>0.5256</b>	<b>35.6342</b>	<b>0.7918</b>	<b>36.4260</b>	<b>9.5392</b>	<b>0.7304</b>	<b>10.2695</b>		<b>37,640.8463</b>	<b>37,640.8463</b>	<b>1.0044</b>		<b>37,661.9383</b>

### 3.4 Building Construction - 2036

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.1705	0.0000	3.1705	0.7782	0.0000	0.7782			0.0000			0.0000
Worker					27.1797	0.0000	27.1797	6.6714	0.0000	6.6714			0.0000			0.0000
<b>Total</b>					<b>30.3502</b>	<b>0.0000</b>	<b>30.3502</b>	<b>7.4496</b>	<b>0.0000</b>	<b>7.4496</b>			<b>0.0000</b>			<b>0.0000</b>



### 3.4 Building Construction - 2036

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.1705	0.0000	3.1705	0.7782	0.0000	0.7782			0.0000			0.0000
Worker					27.1797	0.0000	27.1797	6.6714	0.0000	6.6714			0.0000			0.0000
<b>Total</b>					<b>30.3502</b>	<b>0.0000</b>	<b>30.3502</b>	<b>7.4496</b>	<b>0.0000</b>	<b>7.4496</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.4 Building Construction - 2037

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.1705	0.0000	3.1705	0.7782	0.0000	0.7782			0.0000			0.0000
Worker					27.1797	0.0000	27.1797	6.6714	0.0000	6.6714			0.0000			0.0000
<b>Total</b>					<b>30.3502</b>	<b>0.0000</b>	<b>30.3502</b>	<b>7.4496</b>	<b>0.0000</b>	<b>7.4496</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.4 Building Construction - 2037

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.1705	0.0000	3.1705	0.7782	0.0000	0.7782			0.0000			0.0000
Worker					27.1797	0.0000	27.1797	6.6714	0.0000	6.6714			0.0000			0.0000
<b>Total</b>					<b>30.3502</b>	<b>0.0000</b>	<b>30.3502</b>	<b>7.4496</b>	<b>0.0000</b>	<b>7.4496</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2037

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832		2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>		<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2037

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832	0.0000	2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>	<b>0.0000</b>	<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2038

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832		2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>		<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2038

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832	0.0000	2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>	<b>0.0000</b>	<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.6 Architectural Coating - 2038

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	309.1036					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
<b>Total</b>	<b>309.2215</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>		<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					5.4331	0.0000	5.4331	1.3336	0.0000	1.3336			0.0000			0.0000
<b>Total</b>					<b>5.4331</b>	<b>0.0000</b>	<b>5.4331</b>	<b>1.3336</b>	<b>0.0000</b>	<b>1.3336</b>			<b>0.0000</b>			<b>0.0000</b>



### 3.6 Architectural Coating - 2038

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	309.1036					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
<b>Total</b>	<b>309.2215</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>		<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					5.4331	0.0000	5.4331	1.3336	0.0000	1.3336			0.0000			0.0000
<b>Total</b>					<b>5.4331</b>	<b>0.0000</b>	<b>5.4331</b>	<b>1.3336</b>	<b>0.0000</b>	<b>1.3336</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.6 Architectural Coating - 2039

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	309.1036					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104			281.6665
<b>Total</b>	<b>309.2215</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>			<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Worker					5.4331	0.0000	5.4331	1.3336	0.0000	1.3336			0.0000				0.0000
<b>Total</b>					<b>5.4331</b>	<b>0.0000</b>	<b>5.4331</b>	<b>1.3336</b>	<b>0.0000</b>	<b>1.3336</b>			<b>0.0000</b>				<b>0.0000</b>

### 3.6 Architectural Coating - 2039

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	309.1036					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
<b>Total</b>	<b>309.2215</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>		<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					5.4331	0.0000	5.4331	1.3336	0.0000	1.3336			0.0000			0.0000
<b>Total</b>					<b>5.4331</b>	<b>0.0000</b>	<b>5.4331</b>	<b>1.3336</b>	<b>0.0000</b>	<b>1.3336</b>			<b>0.0000</b>			<b>0.0000</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	129.3650	264.9081	1,276.7557	3.3652	238.7362	3.9050	242.6413	63.7267	3.6033	67.3299		257,529.2265	257,529.2265	10.0535		257,740.3504
Unmitigated	129.3650	264.9081	1,276.7557	3.3652	238.7362	3.9050	242.6413	63.7267	3.6033	67.3299		257,529.2265	257,529.2265	10.0535		257,740.3504

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	36,379.84	36,379.84	36,379.84	103,875,479	103,875,479
City Park	865.51	865.51	865.51	1,847,727	1,847,727
Elementary School	1,701.00	0.00	0.00	2,679,001	2,679,001
Strip Mall	2,182.07	2,182.07	2,182.07	3,360,461	3,360,461
Total	41,128.42	39,427.42	39,427.42	111,762,669	111,762,669

### 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
Apartments Mid Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.513300	0.073549	0.191092	0.130830	0.036094	0.005140	0.012550	0.022916	0.001871	0.002062	0.006564	0.000586	0.003446

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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
	lb/day										lb/day					
NaturalGas Mitigated	0.7883	6.7455	2.9307	0.0430		0.5447	0.5447		0.5447	0.5447		8,600.0989	8,600.0989	0.1648	0.1577	8,652.4376
NaturalGas Unmitigated	0.7883	6.7455	2.9307	0.0430		0.5447	0.5447		0.5447	0.5447		8,600.0989	8,600.0989	0.1648	0.1577	8,652.4376

### 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					
Elementary School	1278.1	0.0138	0.1253	0.1053	7.5000e-004		9.5200e-003	9.5200e-003		9.5200e-003	9.5200e-003		150.3648	150.3648	2.8800e-003	2.7600e-003	151.2799
Strip Mall	205.159	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		24.1363	24.1363	4.6000e-004	4.4000e-004	24.2832
Apartments Mid Rise	71617.6	0.7724	6.6001	2.8085	0.0421		0.5336	0.5336		0.5336	0.5336		8,425.5977	8,425.5977	0.1615	0.1545	8,476.8745
City Park	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
<b>Total</b>		<b>0.7883</b>	<b>6.7455</b>	<b>2.9307</b>	<b>0.0430</b>		<b>0.5447</b>	<b>0.5447</b>		<b>0.5447</b>	<b>0.5447</b>		<b>8,600.0989</b>	<b>8,600.0989</b>	<b>0.1648</b>	<b>0.1577</b>	<b>8,652.4376</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.2781	0.0138	0.1253	0.1053	7.5000e-004		9.5200e-003	9.5200e-003		9.5200e-003	9.5200e-003		150.3648	150.3648	2.8800e-003	2.7600e-003	151.2799
Strip Mall	0.205159	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		24.1363	24.1363	4.6000e-004	4.4000e-004	24.2832
Apartments Mid Rise	71.6176	0.7724	6.6001	2.8085	0.0421		0.5336	0.5336		0.5336	0.5336		8,425.5977	8,425.5977	0.1615	0.1545	8,476.8745
City Park	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
<b>Total</b>		<b>0.7883</b>	<b>6.7455</b>	<b>2.9307</b>	<b>0.0430</b>		<b>0.5447</b>	<b>0.5447</b>		<b>0.5447</b>	<b>0.5447</b>		<b>8,600.0989</b>	<b>8,600.0989</b>	<b>0.1648</b>	<b>0.1577</b>	<b>8,652.4376</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	7,476.2307	103.5654	9,383.7971	3.5319		1,265.0741	1,265.0741		1,265.0371	1,265.0371	132,415.6121	56,241.6821	188,657.2942	122.8889	10.4155	194,466.7612
Unmitigated	7,476.2307	103.5654	9,383.7971	3.5319		1,265.0741	1,265.0741		1,265.0371	1,265.0371	132,415.6121	56,241.6821	188,657.2942	122.8889	10.4155	194,466.7612

### 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	46.0065					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	121.2736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	7,296.9232	98.9997	8,989.0257	3.5111		1,262.9036	1,262.9036		1,262.8666	1,262.8666	132,415.6121	55,533.1765	187,948.7886	122.1976	10.4155	193,743.7400
Landscaping	12.0274	4.5657	394.7714	0.0208		2.1705	2.1705		2.1705	2.1705		708.5056	708.5056	0.6912		723.0212
<b>Total</b>	<b>7,476.2307</b>	<b>103.5654</b>	<b>9,383.7971</b>	<b>3.5319</b>		<b>1,265.0741</b>	<b>1,265.0741</b>		<b>1,265.0371</b>	<b>1,265.0371</b>	<b>132,415.6121</b>	<b>56,241.6821</b>	<b>188,657.2942</b>	<b>122.8889</b>	<b>10.4155</b>	<b>194,466.7612</b>



## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	46.0065					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	121.2736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	7,296.9232	98.9997	8,989.0257	3.5111		1,262.9036	1,262.9036		1,262.8666	1,262.8666	132,415.6121	55,533.1765	187,948.7886	122.1976	10.4155	193,743.7400
Landscaping	12.0274	4.5657	394.7714	0.0208		2.1705	2.1705		2.1705	2.1705		708.5056	708.5056	0.6912		723.0212
<b>Total</b>	<b>7,476.2307</b>	<b>103.5654</b>	<b>9,383.7971</b>	<b>3.5319</b>		<b>1,265.0741</b>	<b>1,265.0741</b>		<b>1,265.0371</b>	<b>1,265.0371</b>	<b>132,415.6121</b>	<b>56,241.6821</b>	<b>188,657.2942</b>	<b>122.8889</b>	<b>10.4155</b>	<b>194,466.7612</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

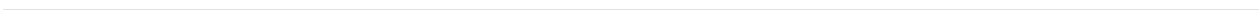
Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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## 10.0 Vegetation



**ATTACHMENT B**

CALEEMOD 2013.2.2 – PROPOSED CVSP SUMMER, WINTER



## Central Village Specific Plan (Proposed Specific Plan) San Diego County, Summer

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	13.10	75,243.03	0
City Park	16.10	Acre	16.10	701,316.00	0
Apartments Mid Rise	4,485.00	Dwelling Unit	150.00	4,485,000.00	12827
Strip Mall	139.70	1000sqft	50.00	139,700.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2020
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - Project Size

Construction Phase -

Off-road Equipment -

Grading - 229.2 acre site

Architectural Coating - 150 g/l

Vehicle Trips - Adjusted to meet Otay Community Plan Assumptions

Area Coating - 150 g/l

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	250
tblGrading	AcresOfGrading	1,162.50	229.20
tblGrading	AcresOfGrading	0.00	229.20
tblLandUse	LotAcreage	1.73	13.10
tblLandUse	LotAcreage	118.03	150.00
tblLandUse	LotAcreage	3.21	50.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblVehicleTrips	ST_TR	7.16	5.61
tblVehicleTrips	ST_TR	1.59	45.30
tblVehicleTrips	ST_TR	42.04	63.42
tblVehicleTrips	SU_TR	6.07	5.61
tblVehicleTrips	SU_TR	1.59	45.30
tblVehicleTrips	SU_TR	20.43	63.42
tblVehicleTrips	WD_TR	6.59	5.61
tblVehicleTrips	WD_TR	1.59	45.30
tblVehicleTrips	WD_TR	1.29	1.79
tblVehicleTrips	WD_TR	44.32	63.42

## 2.0 Emissions Summary

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### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.1627	69.6666	47.6143	0.0638	19.5645	3.3184	22.3198	10.1157	3.0529	12.6506	0.0000	6,480.3725	6,480.3725	1.9425	0.0000	6,521.1641
2018	5.3475	59.6018	43.0414	0.0638	6.7091	2.7892	9.4983	3.4103	2.5661	5.9763	0.0000	6,373.5434	6,373.5434	1.9416	0.0000	6,414.3174
2019	17.3522	76.1894	198.6290	0.5505	33.7539	2.5061	35.9251	9.0368	2.3056	11.0617	0.0000	44,741.4955	44,741.4955	2.0010	0.0000	44,783.5154
2020	16.3065	67.0695	188.3767	0.5503	33.7537	1.9292	35.6829	9.0367	1.7990	10.8357	0.0000	43,254.2530	43,254.2530	1.9268	0.0000	43,294.7155
2021	15.3731	57.9544	179.9309	0.5507	33.7538	1.7141	35.4679	9.0368	1.5979	10.6347	0.0000	42,788.3922	42,788.3922	1.8740	0.0000	42,827.7470
2022	14.6033	51.8787	171.8091	0.5505	33.7540	1.5576	35.3116	9.0368	1.4515	10.4884	0.0000	42,338.3012	42,338.3012	1.8249	0.0000	42,376.6234
2023	13.8104	46.7091	164.2044	0.5501	33.7542	1.4374	35.1916	9.0369	1.3387	10.3756	0.0000	41,918.6487	41,918.6487	1.7737	0.0000	41,955.8969
2024	13.1407	45.0299	157.2363	0.5500	33.7543	1.3548	35.1091	9.0369	1.2608	10.2977	0.0000	41,572.1944	41,572.1944	1.7349	0.0000	41,608.6270
2025	12.6444	43.4750	152.2753	0.5500	33.7545	1.2730	35.0275	9.0370	1.1838	10.2208	0.0000	41,273.2664	41,273.2664	1.7023	0.0000	41,309.0150
2026	12.3166	42.8411	148.5612	0.5500	33.7549	1.2696	35.0245	9.0372	1.1807	10.2178	0.0000	41,014.8941	41,014.8941	1.6783	0.0000	41,050.1383
2027	12.0135	42.3844	144.9097	0.5500	33.7553	1.2723	35.0276	9.0373	1.1832	10.2205	0.0000	40,793.1574	40,793.1574	1.6580	0.0000	40,827.9747
2028	11.7591	41.9736	142.2686	0.5500	33.7557	1.2732	35.0289	9.0375	1.1841	10.2215	0.0000	40,604.9728	40,604.9728	1.6389	0.0000	40,639.3890
2029	11.4900	41.6061	139.4636	0.5500	33.7560	1.2746	35.0306	9.0376	1.1853	10.2230	0.0000	40,444.5341	40,444.5341	1.6207	0.0000	40,478.5677
2030	11.1890	36.8028	137.2689	0.5540	33.7563	0.8984	34.6547	9.0378	0.8401	9.8778	0.0000	40,647.6721	40,647.6721	1.1222	0.0000	40,671.2384
2031	10.9813	36.5437	135.5143	0.5540	33.7560	0.8991	34.6552	9.0376	0.8408	9.8784	0.0000	40,531.5856	40,531.5856	1.1081	0.0000	40,554.8566
2032	10.7891	36.3277	133.9718	0.5540	33.7557	0.8996	34.6553	9.0375	0.8413	9.8788	0.0000	40,434.7266	40,434.7266	1.0958	0.0000	40,457.7375
2033	10.5911	36.1054	132.6210	0.5540	33.7553	0.8997	34.6550	9.0373	0.8414	9.8787	0.0000	40,353.2888	40,353.2888	1.0841	0.0000	40,376.0557

	ROG	NOx	CO	SO2	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					
2034	10.4015	35.9344	131.2586	0.5540	33.7549	0.8996	34.6545	9.0372	0.8412	9.8784	0.0000	40,284.7209	40,284.7209	1.0731	0.0000	40,307.2562
2035	10.1451	35.0330	130.1364	0.5540	33.7545	0.8418	34.5963	9.0370	0.7835	9.8205	0.0000	40,228.0456	40,228.0456	1.0552	0.0000	40,250.2040
2036	1.2123	7.1510	16.0922	0.0308	28.7421	0.0901	28.8321	7.0549	0.0901	7.1449	0.0000	2,884.8300	2,884.8300	0.1075	0.0000	2,887.0878
2037	1.2123	7.1510	16.0922	0.0308	28.7421	0.1832	28.8321	7.0549	0.1832	7.1449	0.0000	2,884.8300	2,884.8300	0.1075	0.0000	2,887.0878
2038	293.8509	4.7892	15.4905	0.0275	5.1404	0.1832	5.1503	1.2617	0.1832	1.2716	0.0000	2,599.9866	2,599.9866	0.1001	0.0000	2,602.0881
2039	293.8509	0.7577	1.7943	2.9700e-003	5.1404	9.9000e-003	5.1503	1.2617	9.9000e-003	1.2716	0.0000	281.4481	281.4481	0.0104	0.0000	281.6665
<b>Total</b>	<b>816.5434</b>	<b>922.9752</b>	<b>2,728.5605</b>	<b>9.5959</b>	<b>667.8714</b>	<b>28.7740</b>	<b>695.4809</b>	<b>183.7911</b>	<b>26.7440</b>	<b>209.4699</b>	<b>0.0000</b>	<b>724,729.1597</b>	<b>724,729.1597</b>	<b>30.1815</b>	<b>0.0000</b>	<b>725,362.9699</b>

**2.1 Overall Construction (Maximum Daily Emission)**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.1627	69.6666	47.6143	0.0638	19.5645	3.3184	22.3198	10.1157	3.0529	12.6506	0.0000	6,480.3725	6,480.3725	1.9425	0.0000	6,521.1641
2018	5.3475	59.6018	43.0414	0.0638	6.7091	2.7892	9.4983	3.4103	2.5661	5.9763	0.0000	6,373.5434	6,373.5434	1.9416	0.0000	6,414.3174
2019	17.3522	76.1894	198.6290	0.5505	33.7539	2.5061	35.9251	9.0368	2.3056	11.0617	0.0000	44,741.4955	44,741.4955	2.0010	0.0000	44,783.5154
2020	16.3065	67.0695	188.3767	0.5503	33.7537	1.9292	35.6829	9.0367	1.7990	10.8357	0.0000	43,254.2530	43,254.2530	1.9268	0.0000	43,294.7155
2021	15.3731	57.9544	179.9309	0.5507	33.7538	1.7141	35.4679	9.0368	1.5979	10.6347	0.0000	42,788.3922	42,788.3922	1.8740	0.0000	42,827.7470
2022	14.6033	51.8787	171.8091	0.5505	33.7540	1.5576	35.3116	9.0368	1.4515	10.4884	0.0000	42,338.3012	42,338.3012	1.8249	0.0000	42,376.6234



	ROG	NOx	CO	SO2	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					
2023	13.8104	46.7091	164.2044	0.5501	33.7542	1.4374	35.1916	9.0369	1.3387	10.3756	0.0000	41,918.64 87	41,918.64 87	1.7737	0.0000	41,955.89 69
2024	13.1407	45.0299	157.2363	0.5500	33.7543	1.3548	35.1091	9.0369	1.2608	10.2977	0.0000	41,572.19 44	41,572.19 44	1.7349	0.0000	41,608.62 70
2025	12.6444	43.4750	152.2753	0.5500	33.7545	1.2730	35.0275	9.0370	1.1838	10.2208	0.0000	41,273.26 64	41,273.26 64	1.7023	0.0000	41,309.01 50
2026	12.3166	42.8411	148.5612	0.5500	33.7549	1.2696	35.0245	9.0372	1.1807	10.2178	0.0000	41,014.89 41	41,014.89 41	1.6783	0.0000	41,050.13 83
2027	12.0135	42.3844	144.9097	0.5500	33.7553	1.2723	35.0276	9.0373	1.1832	10.2205	0.0000	40,793.15 74	40,793.15 74	1.6580	0.0000	40,827.97 47
2028	11.7591	41.9736	142.2686	0.5500	33.7557	1.2732	35.0289	9.0375	1.1841	10.2215	0.0000	40,604.97 28	40,604.97 28	1.6389	0.0000	40,639.38 90
2029	11.4900	41.6061	139.4636	0.5500	33.7560	1.2746	35.0306	9.0376	1.1853	10.2230	0.0000	40,444.53 41	40,444.53 41	1.6207	0.0000	40,478.56 77
2030	11.1890	36.8028	137.2689	0.5540	33.7563	0.8984	34.6547	9.0378	0.8401	9.8778	0.0000	40,647.67 21	40,647.67 21	1.1222	0.0000	40,671.23 84
2031	10.9813	36.5437	135.5143	0.5540	33.7560	0.8991	34.6552	9.0376	0.8408	9.8784	0.0000	40,531.58 56	40,531.58 56	1.1081	0.0000	40,554.85 66
2032	10.7891	36.3277	133.9718	0.5540	33.7557	0.8996	34.6553	9.0375	0.8413	9.8788	0.0000	40,434.72 66	40,434.72 66	1.0958	0.0000	40,457.73 75
2033	10.5911	36.1054	132.6210	0.5540	33.7553	0.8997	34.6550	9.0373	0.8414	9.8787	0.0000	40,353.28 88	40,353.28 88	1.0841	0.0000	40,376.05 57
2034	10.4015	35.9344	131.2586	0.5540	33.7549	0.8996	34.6545	9.0372	0.8412	9.8784	0.0000	40,284.72 09	40,284.72 09	1.0731	0.0000	40,307.25 62
2035	10.1451	35.0330	130.1364	0.5540	33.7545	0.8418	34.5963	9.0370	0.7835	9.8205	0.0000	40,228.04 56	40,228.04 56	1.0552	0.0000	40,250.20 40
2036	1.2123	7.1510	16.0922	0.0308	28.7421	0.0901	28.8321	7.0549	0.0901	7.1449	0.0000	2,884.830 0	2,884.830 0	0.1075	0.0000	2,887.087 8
2037	1.2123	7.1510	16.0922	0.0308	28.7421	0.1832	28.8321	7.0549	0.1832	7.1449	0.0000	2,884.830 0	2,884.830 0	0.1075	0.0000	2,887.087 8
2038	293.8509	4.7892	15.4905	0.0275	5.1404	0.1832	5.1503	1.2617	0.1832	1.2716	0.0000	2,599.986 6	2,599.986 6	0.1001	0.0000	2,602.088 1
2039	293.8509	0.7577	1.7943	2.9700e-003	5.1404	9.9000e-003	5.1503	1.2617	9.9000e-003	1.2716	0.0000	281.4481	281.4481	0.0104	0.0000	281.6665
<b>Total</b>	<b>816.5434</b>	<b>922.9752</b>	<b>2,728.560 5</b>	<b>9.5959</b>	<b>667.8714</b>	<b>28.7740</b>	<b>695.4809</b>	<b>183.7911</b>	<b>26.7440</b>	<b>209.4699</b>	<b>0.0000</b>	<b>724,729.1 597</b>	<b>724,729.1 597</b>	<b>30.1815</b>	<b>0.0000</b>	<b>725,362.9 699</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	7,034.4028	97.4185	8,826.8475	3.3223		1,189.9869	1,189.9869		1,189.9521	1,189.9521	124,556.2123	52,903.5471	177,459.7594	115.5950	9.7973	182,924.4132
Energy	0.7497	6.4195	2.8193	0.0409		0.5180	0.5180		0.5180	0.5180		8,178.9840	8,178.9840	0.1568	0.1500	8,228.7599
Mobile	104.5606	203.6406	998.8997	2.8520	191.6829	3.1514	194.8343	51.1666	2.9080	54.0745		217,764.2159	217,764.2159	8.1462		217,935.2865
<b>Total</b>	<b>7,139.7131</b>	<b>307.4786</b>	<b>9,828.5664</b>	<b>6.2151</b>	<b>191.6829</b>	<b>1,193.6564</b>	<b>1,385.3392</b>	<b>51.1666</b>	<b>1,193.3781</b>	<b>1,244.5447</b>	<b>124,556.2123</b>	<b>278,846.7470</b>	<b>403,402.9593</b>	<b>123.8980</b>	<b>9.9472</b>	<b>409,088.4596</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	7,034.4028	97.4185	8,826.8475	3.3223		1,189.9869	1,189.9869		1,189.9521	1,189.9521	124,556.2123	52,903.5471	177,459.7594	115.5950	9.7973	182,924.4132
Energy	0.7497	6.4195	2.8193	0.0409		0.5180	0.5180		0.5180	0.5180		8,178.9840	8,178.9840	0.1568	0.1500	8,228.7599
Mobile	104.5606	203.6406	998.8997	2.8520	191.6829	3.1514	194.8343	51.1666	2.9080	54.0745		217,764.2159	217,764.2159	8.1462		217,935.2865
<b>Total</b>	<b>7,139.7131</b>	<b>307.4786</b>	<b>9,828.5664</b>	<b>6.2151</b>	<b>191.6829</b>	<b>1,193.6564</b>	<b>1,385.3392</b>	<b>51.1666</b>	<b>1,193.3781</b>	<b>1,244.5447</b>	<b>124,556.2123</b>	<b>278,846.7470</b>	<b>403,402.9593</b>	<b>123.8980</b>	<b>9.9472</b>	<b>409,088.4596</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	Site Preparation	Site Preparation	1/1/2017	9/8/2017	5	180	
2	Grading	Grading	9/9/2017	6/21/2019	5	465	
3	Building Construction	Building Construction	6/22/2019	4/17/2037	5	4650	
4	Paving	Paving	4/18/2037	7/23/2038	5	330	
5	Architectural Coating	Architectural Coating	7/24/2038	10/28/2039	5	330	

Acres of Grading (Site Preparation Phase): 229.2

Acres of Grading (Grading Phase): 229.2

Acres of Paving: 0

Residential Indoor: 9,082,125; Residential Outdoor: 3,027,375; Non-Residential Indoor: 1,374,389; Non-Residential Outdoor: 458,130  
(Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,600.00	630.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	720.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

### 3.2 Site Preparation - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.4166	0.0000	19.4166	10.0765	0.0000	10.0765			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>19.4166</b>	<b>2.7542</b>	<b>22.1709</b>	<b>10.0765</b>	<b>2.5339</b>	<b>12.6104</b>		<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</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	0.0572	0.0671	0.7284	1.8700e-003	0.1479	1.0800e-003	0.1489	0.0392	9.9000e-004	0.0402		150.3031	150.3031	7.2500e-003		150.4553
<b>Total</b>	<b>0.0572</b>	<b>0.0671</b>	<b>0.7284</b>	<b>1.8700e-003</b>	<b>0.1479</b>	<b>1.0800e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.9000e-004</b>	<b>0.0402</b>		<b>150.3031</b>	<b>150.3031</b>	<b>7.2500e-003</b>		<b>150.4553</b>

### 3.2 Site Preparation - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.4166	0.0000	19.4166	10.0765	0.0000	10.0765			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>19.4166</b>	<b>2.7542</b>	<b>22.1709</b>	<b>10.0765</b>	<b>2.5339</b>	<b>12.6104</b>	<b>0.0000</b>	<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</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	0.0572	0.0671	0.7284	1.8700e-003	0.1479	1.0800e-003	0.1489	0.0392	9.9000e-004	0.0402		150.3031	150.3031	7.2500e-003		150.4553
<b>Total</b>	<b>0.0572</b>	<b>0.0671</b>	<b>0.7284</b>	<b>1.8700e-003</b>	<b>0.1479</b>	<b>1.0800e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.9000e-004</b>	<b>0.0402</b>		<b>150.3031</b>	<b>150.3031</b>	<b>7.2500e-003</b>		<b>150.4553</b>

### 3.3 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
<b>Total</b>	<b>6.0991</b>	<b>69.5920</b>	<b>46.8050</b>	<b>0.0617</b>	<b>6.5448</b>	<b>3.3172</b>	<b>9.8620</b>	<b>3.3667</b>	<b>3.0518</b>	<b>6.4185</b>		<b>6,313.3690</b>	<b>6,313.3690</b>	<b>1.9344</b>		<b>6,353.9915</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	0.0635	0.0746	0.8093	2.0800e-003	0.1643	1.1900e-003	0.1655	0.0436	1.1000e-003	0.0447		167.0035	167.0035	8.0500e-003		167.1726
<b>Total</b>	<b>0.0635</b>	<b>0.0746</b>	<b>0.8093</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.1900e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.1000e-003</b>	<b>0.0447</b>		<b>167.0035</b>	<b>167.0035</b>	<b>8.0500e-003</b>		<b>167.1726</b>



### 3.3 Grading - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
<b>Total</b>	<b>6.0991</b>	<b>69.5920</b>	<b>46.8050</b>	<b>0.0617</b>	<b>6.5448</b>	<b>3.3172</b>	<b>9.8620</b>	<b>3.3667</b>	<b>3.0518</b>	<b>6.4185</b>	<b>0.0000</b>	<b>6,313.3690</b>	<b>6,313.3690</b>	<b>1.9344</b>		<b>6,353.9915</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	0.0635	0.0746	0.8093	2.0800e-003	0.1643	1.1900e-003	0.1655	0.0436	1.1000e-003	0.0447		167.0035	167.0035	8.0500e-003		167.1726
<b>Total</b>	<b>0.0635</b>	<b>0.0746</b>	<b>0.8093</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.1900e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.1000e-003</b>	<b>0.0447</b>		<b>167.0035</b>	<b>167.0035</b>	<b>8.0500e-003</b>		<b>167.1726</b>

### 3.3 Grading - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.804 2	6,212.804 2	1.9341		6,253.420 9
<b>Total</b>	<b>5.2895</b>	<b>59.5338</b>	<b>42.3068</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.7880</b>	<b>9.3328</b>	<b>3.3667</b>	<b>2.5650</b>	<b>5.9317</b>		<b>6,212.804 2</b>	<b>6,212.804 2</b>	<b>1.9341</b>		<b>6,253.420 9</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	0.0579	0.0680	0.7346	2.0800e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		160.7393	160.7393	7.4900e-003		160.8966
<b>Total</b>	<b>0.0579</b>	<b>0.0680</b>	<b>0.7346</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>160.7393</b>	<b>160.7393</b>	<b>7.4900e-003</b>		<b>160.8966</b>

### 3.3 Grading - 2018

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650	0.0000	6,212.804 1	6,212.804 1	1.9341		6,253.420 9
<b>Total</b>	<b>5.2895</b>	<b>59.5338</b>	<b>42.3068</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.7880</b>	<b>9.3328</b>	<b>3.3667</b>	<b>2.5650</b>	<b>5.9317</b>	<b>0.0000</b>	<b>6,212.804 1</b>	<b>6,212.804 1</b>	<b>1.9341</b>		<b>6,253.420 9</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	0.0579	0.0680	0.7346	2.0800e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		160.7393	160.7393	7.4900e-003		160.8966
<b>Total</b>	<b>0.0579</b>	<b>0.0680</b>	<b>0.7346</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>160.7393</b>	<b>160.7393</b>	<b>7.4900e-003</b>		<b>160.8966</b>

### 3.3 Grading - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.3121	6,111.3121	1.9336		6,151.9167
<b>Total</b>	<b>4.8912</b>	<b>54.1978</b>	<b>40.2888</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.5049</b>	<b>9.0497</b>	<b>3.3667</b>	<b>2.3045</b>	<b>5.6712</b>		<b>6,111.3121</b>	<b>6,111.3121</b>	<b>1.9336</b>		<b>6,151.9167</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	0.0538	0.0629	0.6775	2.0800e-003	0.1643	1.1600e-003	0.1655	0.0436	1.0800e-003	0.0447		154.9305	154.9305	7.0400e-003		155.0784
<b>Total</b>	<b>0.0538</b>	<b>0.0629</b>	<b>0.6775</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.1600e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>154.9305</b>	<b>154.9305</b>	<b>7.0400e-003</b>		<b>155.0784</b>

### 3.3 Grading - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	6,111.3121	6,111.3121	1.9336		6,151.9167
<b>Total</b>	<b>4.8912</b>	<b>54.1978</b>	<b>40.2888</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.5049</b>	<b>9.0497</b>	<b>3.3667</b>	<b>2.3045</b>	<b>5.6712</b>	<b>0.0000</b>	<b>6,111.3121</b>	<b>6,111.3121</b>	<b>1.9336</b>		<b>6,151.9167</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	0.0538	0.0629	0.6775	2.0800e-003	0.1643	1.1600e-003	0.1655	0.0436	1.0800e-003	0.0447		154.9305	154.9305	7.0400e-003		155.0784
<b>Total</b>	<b>0.0538</b>	<b>0.0629</b>	<b>0.6775</b>	<b>2.0800e-003</b>	<b>0.1643</b>	<b>1.1600e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>154.9305</b>	<b>154.9305</b>	<b>7.0400e-003</b>		<b>155.0784</b>

### 3.4 Building Construction - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>		<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>		<b>2,593.9479</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	5.3096	43.9062	59.5615	0.1492	4.1808	0.6766	4.8574	1.1926	0.6224	1.8150		14,273.2464	14,273.2464	0.1049		14,275.4502
Worker	9.6910	11.3182	121.9471	0.3746	29.5731	0.2095	29.7826	7.8442	0.1942	8.0384		27,887.4873	27,887.4873	1.2681		27,914.1173
<b>Total</b>	<b>15.0006</b>	<b>55.2244</b>	<b>181.5086</b>	<b>0.5237</b>	<b>33.7539</b>	<b>0.8861</b>	<b>34.6400</b>	<b>9.0368</b>	<b>0.8166</b>	<b>9.8534</b>		<b>42,160.7337</b>	<b>42,160.7337</b>	<b>1.3730</b>		<b>42,189.5675</b>

### 3.4 Building Construction - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>	<b>0.0000</b>	<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>		<b>2,593.9479</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	5.3096	43.9062	59.5615	0.1492	4.1808	0.6766	4.8574	1.1926	0.6224	1.8150		14,273.2464	14,273.2464	0.1049		14,275.4502
Worker	9.6910	11.3182	121.9471	0.3746	29.5731	0.2095	29.7826	7.8442	0.1942	8.0384		27,887.4873	27,887.4873	1.2681		27,914.1173
<b>Total</b>	<b>15.0006</b>	<b>55.2244</b>	<b>181.5086</b>	<b>0.5237</b>	<b>33.7539</b>	<b>0.8861</b>	<b>34.6400</b>	<b>9.0368</b>	<b>0.8166</b>	<b>9.8534</b>		<b>42,160.7337</b>	<b>42,160.7337</b>	<b>1.3730</b>		<b>42,189.5675</b>

### 3.4 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
<b>Total</b>	<b>2.1113</b>	<b>19.0839</b>	<b>16.8084</b>	<b>0.0268</b>		<b>1.1128</b>	<b>1.1128</b>		<b>1.0465</b>	<b>1.0465</b>		<b>2,542.4799</b>	<b>2,542.4799</b>	<b>0.6194</b>		<b>2,555.4880</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	5.0238	37.4074	57.4089	0.1490	4.1805	0.6066	4.7871	1.1925	0.5580	1.7505		13,946.9945	13,946.9945	0.1015		13,949.1258
Worker	9.1714	10.5782	114.1593	0.3746	29.5731	0.2098	29.7829	7.8442	0.1946	8.0387		26,764.7786	26,764.7786	1.2059		26,790.1017
<b>Total</b>	<b>14.1952</b>	<b>47.9855</b>	<b>171.5683</b>	<b>0.5235</b>	<b>33.7537</b>	<b>0.8164</b>	<b>34.5700</b>	<b>9.0367</b>	<b>0.7525</b>	<b>9.7893</b>		<b>40,711.7731</b>	<b>40,711.7731</b>	<b>1.3074</b>		<b>40,739.2275</b>



### 3.4 Building Construction - 2020

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
<b>Total</b>	<b>2.1113</b>	<b>19.0839</b>	<b>16.8084</b>	<b>0.0268</b>		<b>1.1128</b>	<b>1.1128</b>		<b>1.0465</b>	<b>1.0465</b>	<b>0.0000</b>	<b>2,542.4799</b>	<b>2,542.4799</b>	<b>0.6194</b>		<b>2,555.4880</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	5.0238	37.4074	57.4089	0.1490	4.1805	0.6066	4.7871	1.1925	0.5580	1.7505		13,946.9945	13,946.9945	0.1015		13,949.1258
Worker	9.1714	10.5782	114.1593	0.3746	29.5731	0.2098	29.7829	7.8442	0.1946	8.0387		26,764.7786	26,764.7786	1.2059		26,790.1017
<b>Total</b>	<b>14.1952</b>	<b>47.9855</b>	<b>171.5683</b>	<b>0.5235</b>	<b>33.7537</b>	<b>0.8164</b>	<b>34.5700</b>	<b>9.0367</b>	<b>0.7525</b>	<b>9.7893</b>		<b>40,711.7731</b>	<b>40,711.7731</b>	<b>1.3074</b>		<b>40,739.2275</b>

### 3.4 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
<b>Total</b>	<b>1.8931</b>	<b>17.3403</b>	<b>16.5376</b>	<b>0.0268</b>		<b>0.9549</b>	<b>0.9549</b>		<b>0.8979</b>	<b>0.8979</b>		<b>2,542.7817</b>	<b>2,542.7817</b>	<b>0.6126</b>		<b>2,555.6462</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	4.7433	30.6798	54.9076	0.1487	4.1806	0.5461	4.7267	1.1926	0.5024	1.6950		13,924.8132	13,924.8132	0.1011		13,926.9360
Worker	8.7367	9.9343	108.4857	0.3752	29.5731	0.2131	29.7862	7.8442	0.1976	8.0418		26,320.7973	26,320.7973	1.1604		26,345.1648
<b>Total</b>	<b>13.4800</b>	<b>40.6142</b>	<b>163.3933</b>	<b>0.5239</b>	<b>33.7538</b>	<b>0.7592</b>	<b>34.5130</b>	<b>9.0368</b>	<b>0.7001</b>	<b>9.7368</b>		<b>40,245.6105</b>	<b>40,245.6105</b>	<b>1.2614</b>		<b>40,272.1008</b>

### 3.4 Building Construction - 2021

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
<b>Total</b>	<b>1.8931</b>	<b>17.3403</b>	<b>16.5376</b>	<b>0.0268</b>		<b>0.9549</b>	<b>0.9549</b>		<b>0.8979</b>	<b>0.8979</b>	<b>0.0000</b>	<b>2,542.7817</b>	<b>2,542.7817</b>	<b>0.6126</b>		<b>2,555.6462</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	4.7433	30.6798	54.9076	0.1487	4.1806	0.5461	4.7267	1.1926	0.5024	1.6950		13,924.8132	13,924.8132	0.1011		13,926.9360
Worker	8.7367	9.9343	108.4857	0.3752	29.5731	0.2131	29.7862	7.8442	0.1976	8.0418		26,320.7973	26,320.7973	1.1604		26,345.1648
<b>Total</b>	<b>13.4800</b>	<b>40.6142</b>	<b>163.3933</b>	<b>0.5239</b>	<b>33.7538</b>	<b>0.7592</b>	<b>34.5130</b>	<b>9.0368</b>	<b>0.7001</b>	<b>9.7368</b>		<b>40,245.6105</b>	<b>40,245.6105</b>	<b>1.2614</b>		<b>40,272.1008</b>

### 3.4 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
<b>Total</b>	<b>1.6992</b>	<b>15.5364</b>	<b>16.3276</b>	<b>0.0268</b>		<b>0.8057</b>	<b>0.8057</b>		<b>0.7581</b>	<b>0.7581</b>		<b>2,543.7497</b>	<b>2,543.7497</b>	<b>0.6085</b>		<b>2,556.5286</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	4.5776	26.9556	52.9522	0.1485	4.1808	0.5373	4.7182	1.1926	0.4944	1.6870		13,910.4337	13,910.4337	0.1031		13,912.5997
Worker	8.3265	9.3867	102.5293	0.3752	29.5731	0.2146	29.7877	7.8442	0.1990	8.0432		25,884.1178	25,884.1178	1.1132		25,907.4951
<b>Total</b>	<b>12.9041</b>	<b>36.3423</b>	<b>155.4815</b>	<b>0.5237</b>	<b>33.7540</b>	<b>0.7519</b>	<b>34.5059</b>	<b>9.0368</b>	<b>0.6934</b>	<b>9.7302</b>		<b>39,794.5515</b>	<b>39,794.5515</b>	<b>1.2163</b>		<b>39,820.0948</b>

### 3.4 Building Construction - 2022

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
<b>Total</b>	<b>1.6992</b>	<b>15.5364</b>	<b>16.3276</b>	<b>0.0268</b>		<b>0.8057</b>	<b>0.8057</b>		<b>0.7581</b>	<b>0.7581</b>	<b>0.0000</b>	<b>2,543.7497</b>	<b>2,543.7497</b>	<b>0.6085</b>		<b>2,556.5286</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	4.5776	26.9556	52.9522	0.1485	4.1808	0.5373	4.7182	1.1926	0.4944	1.6870		13,910.4337	13,910.4337	0.1031		13,912.5997
Worker	8.3265	9.3867	102.5293	0.3752	29.5731	0.2146	29.7877	7.8442	0.1990	8.0432		25,884.1178	25,884.1178	1.1132		25,907.4951
<b>Total</b>	<b>12.9041</b>	<b>36.3423</b>	<b>155.4815</b>	<b>0.5237</b>	<b>33.7540</b>	<b>0.7519</b>	<b>34.5059</b>	<b>9.0368</b>	<b>0.6934</b>	<b>9.7302</b>		<b>39,794.5515</b>	<b>39,794.5515</b>	<b>1.2163</b>		<b>39,820.0948</b>

### 3.4 Building Construction - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.626 2	2,544.626 2	0.6044		2,557.319 1
<b>Total</b>	<b>1.5661</b>	<b>14.3126</b>	<b>16.2093</b>	<b>0.0268</b>		<b>0.6967</b>	<b>0.6967</b>		<b>0.6557</b>	<b>0.6557</b>		<b>2,544.626 2</b>	<b>2,544.626 2</b>	<b>0.6044</b>		<b>2,557.319 1</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	4.2943	23.4925	50.8057	0.1481	4.1811	0.5245	4.7056	1.1927	0.4826	1.6753		13,879.40 84	13,879.40 84	0.0968		13,881.44 07
Worker	7.9501	8.9040	97.1894	0.3752	29.5731	0.2161	29.7893	7.8442	0.2005	8.0447		25,494.61 41	25,494.61 41	1.0725		25,517.13 72
<b>Total</b>	<b>12.2443</b>	<b>32.3965</b>	<b>147.9951</b>	<b>0.5233</b>	<b>33.7542</b>	<b>0.7406</b>	<b>34.4949</b>	<b>9.0369</b>	<b>0.6831</b>	<b>9.7200</b>		<b>39,374.02 25</b>	<b>39,374.02 25</b>	<b>1.1693</b>		<b>39,398.57 78</b>

### 3.4 Building Construction - 2023

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1
<b>Total</b>	<b>1.5661</b>	<b>14.3126</b>	<b>16.2093</b>	<b>0.0268</b>		<b>0.6967</b>	<b>0.6967</b>		<b>0.6557</b>	<b>0.6557</b>	<b>0.0000</b>	<b>2,544.626 2</b>	<b>2,544.626 2</b>	<b>0.6044</b>		<b>2,557.319 1</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	4.2943	23.4925	50.8057	0.1481	4.1811	0.5245	4.7056	1.1927	0.4826	1.6753		13,879.40 84	13,879.40 84	0.0968		13,881.44 07
Worker	7.9501	8.9040	97.1894	0.3752	29.5731	0.2161	29.7893	7.8442	0.2005	8.0447		25,494.61 41	25,494.61 41	1.0725		25,517.13 72
<b>Total</b>	<b>12.2443</b>	<b>32.3965</b>	<b>147.9951</b>	<b>0.5233</b>	<b>33.7542</b>	<b>0.7406</b>	<b>34.4949</b>	<b>9.0369</b>	<b>0.6831</b>	<b>9.7200</b>		<b>39,374.02 25</b>	<b>39,374.02 25</b>	<b>1.1693</b>		<b>39,398.57 78</b>

### 3.4 Building Construction - 2024

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
<b>Total</b>	<b>1.4653</b>	<b>13.3774</b>	<b>16.1332</b>	<b>0.0268</b>		<b>0.6106</b>	<b>0.6106</b>		<b>0.5744</b>	<b>0.5744</b>		<b>2,545.1154</b>	<b>2,545.1154</b>	<b>0.6009</b>		<b>2,557.7349</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	4.0714	23.1712	48.4160	0.1481	4.1811	0.5264	4.7076	1.1928	0.4843	1.6771		13,878.5197	13,878.5197	0.0971		13,880.5583
Worker	7.6040	8.4813	92.6871	0.3751	29.5731	0.2178	29.7910	7.8442	0.2021	8.0463		25,148.5594	25,148.5594	1.0369		25,170.3337
<b>Total</b>	<b>11.6754</b>	<b>31.6524</b>	<b>141.1031</b>	<b>0.5232</b>	<b>33.7543</b>	<b>0.7443</b>	<b>34.4985</b>	<b>9.0369</b>	<b>0.6864</b>	<b>9.7234</b>		<b>39,027.0790</b>	<b>39,027.0790</b>	<b>1.1340</b>		<b>39,050.8921</b>



### 3.4 Building Construction - 2024

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
<b>Total</b>	<b>1.4653</b>	<b>13.3774</b>	<b>16.1332</b>	<b>0.0268</b>		<b>0.6106</b>	<b>0.6106</b>		<b>0.5744</b>	<b>0.5744</b>	<b>0.0000</b>	<b>2,545.1154</b>	<b>2,545.1154</b>	<b>0.6009</b>		<b>2,557.7349</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	4.0714	23.1712	48.4160	0.1481	4.1811	0.5264	4.7076	1.1928	0.4843	1.6771		13,878.5197	13,878.5197	0.0971		13,880.5583
Worker	7.6040	8.4813	92.6871	0.3751	29.5731	0.2178	29.7910	7.8442	0.2021	8.0463		25,148.5594	25,148.5594	1.0369		25,170.3337
<b>Total</b>	<b>11.6754</b>	<b>31.6524</b>	<b>141.1031</b>	<b>0.5232</b>	<b>33.7543</b>	<b>0.7443</b>	<b>34.4985</b>	<b>9.0369</b>	<b>0.6864</b>	<b>9.7234</b>		<b>39,027.0790</b>	<b>39,027.0790</b>	<b>1.1340</b>		<b>39,050.8921</b>

### 3.4 Building Construction - 2025

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.9715	22.9342	47.2675	0.1481	4.1814	0.5281	4.7095	1.1929	0.4859	1.6788		13,879.6949	13,879.6949	0.0974		13,881.7393
Worker	7.3114	8.1311	88.9560	0.3751	29.5731	0.2199	29.7930	7.8442	0.2040	8.0482		24,847.6810	24,847.6810	1.0074		24,868.8372
<b>Total</b>	<b>11.2829</b>	<b>31.0653</b>	<b>136.2236</b>	<b>0.5232</b>	<b>33.7545</b>	<b>0.7480</b>	<b>34.5025</b>	<b>9.0370</b>	<b>0.6899</b>	<b>9.7269</b>		<b>38,727.3759</b>	<b>38,727.3759</b>	<b>1.1048</b>		<b>38,750.5764</b>

### 3.4 Building Construction - 2025

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.9715	22.9342	47.2675	0.1481	4.1814	0.5281	4.7095	1.1929	0.4859	1.6788		13,879.6949	13,879.6949	0.0974		13,881.7393
Worker	7.3114	8.1311	88.9560	0.3751	29.5731	0.2199	29.7930	7.8442	0.2040	8.0482		24,847.6810	24,847.6810	1.0074		24,868.8372
<b>Total</b>	<b>11.2829</b>	<b>31.0653</b>	<b>136.2236</b>	<b>0.5232</b>	<b>33.7545</b>	<b>0.7480</b>	<b>34.5025</b>	<b>9.0370</b>	<b>0.6899</b>	<b>9.7269</b>		<b>38,727.3759</b>	<b>38,727.3759</b>	<b>1.1048</b>		<b>38,750.5764</b>

### 3.4 Building Construction - 2026

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.8839	22.5738	46.4222	0.1481	4.1817	0.5223	4.7040	1.1930	0.4805	1.6735		13,880.8703	13,880.8703	0.0966		13,882.8989
Worker	7.0712	7.8576	86.0872	0.3751	29.5731	0.2223	29.7954	7.8442	0.2062	8.0504		24,588.1333	24,588.1333	0.9842		24,608.8009
<b>Total</b>	<b>10.9551</b>	<b>30.4314</b>	<b>132.5094</b>	<b>0.5232</b>	<b>33.7549</b>	<b>0.7446</b>	<b>34.4994</b>	<b>9.0372</b>	<b>0.6867</b>	<b>9.7239</b>		<b>38,469.0036</b>	<b>38,469.0036</b>	<b>1.0808</b>		<b>38,491.6998</b>

### 3.4 Building Construction - 2026

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.8839	22.5738	46.4222	0.1481	4.1817	0.5223	4.7040	1.1930	0.4805	1.6735		13,880.8703	13,880.8703	0.0966		13,882.8989
Worker	7.0712	7.8576	86.0872	0.3751	29.5731	0.2223	29.7954	7.8442	0.2062	8.0504		24,588.1333	24,588.1333	0.9842		24,608.8009
<b>Total</b>	<b>10.9551</b>	<b>30.4314</b>	<b>132.5094</b>	<b>0.5232</b>	<b>33.7549</b>	<b>0.7446</b>	<b>34.4994</b>	<b>9.0372</b>	<b>0.6867</b>	<b>9.7239</b>		<b>38,469.0036</b>	<b>38,469.0036</b>	<b>1.0808</b>		<b>38,491.6998</b>

### 3.4 Building Construction - 2027

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.8033	22.3517	45.3023	0.1481	4.1821	0.5230	4.7051	1.1932	0.4811	1.6743		13,882.5428	13,882.5428	0.0968		13,884.5747
Worker	6.8487	7.6231	83.5557	0.3751	29.5731	0.2243	29.7975	7.8442	0.2081	8.0523		24,364.7241	24,364.7241	0.9637		24,384.9615
<b>Total</b>	<b>10.6521</b>	<b>29.9748</b>	<b>128.8580</b>	<b>0.5232</b>	<b>33.7553</b>	<b>0.7473</b>	<b>34.5026</b>	<b>9.0373</b>	<b>0.6893</b>	<b>9.7266</b>		<b>38,247.2669</b>	<b>38,247.2669</b>	<b>1.0604</b>		<b>38,269.5362</b>

### 3.4 Building Construction - 2027

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.8033	22.3517	45.3023	0.1481	4.1821	0.5230	4.7051	1.1932	0.4811	1.6743		13,882.5428	13,882.5428	0.0968		13,884.5747
Worker	6.8487	7.6231	83.5557	0.3751	29.5731	0.2243	29.7975	7.8442	0.2081	8.0523		24,364.7241	24,364.7241	0.9637		24,384.9615
<b>Total</b>	<b>10.6521</b>	<b>29.9748</b>	<b>128.8580</b>	<b>0.5232</b>	<b>33.7553</b>	<b>0.7473</b>	<b>34.5026</b>	<b>9.0373</b>	<b>0.6893</b>	<b>9.7266</b>		<b>38,247.2669</b>	<b>38,247.2669</b>	<b>1.0604</b>		<b>38,269.5362</b>

### 3.4 Building Construction - 2028

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.7663	22.1683	44.9562	0.1481	4.1825	0.5221	4.7046	1.1933	0.4803	1.6736		13,884.5093	13,884.5093	0.0967		13,886.5399
Worker	6.6313	7.3957	81.2606	0.3751	29.5731	0.2262	29.7993	7.8442	0.2098	8.0540		24,174.5730	24,174.5730	0.9447		24,194.4106
<b>Total</b>	<b>10.3976</b>	<b>29.5639</b>	<b>126.2168</b>	<b>0.5232</b>	<b>33.7557</b>	<b>0.7482</b>	<b>34.5039</b>	<b>9.0375</b>	<b>0.6901</b>	<b>9.7276</b>		<b>38,059.0822</b>	<b>38,059.0822</b>	<b>1.0414</b>		<b>38,080.9505</b>



### 3.4 Building Construction - 2028

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.7663	22.1683	44.9562	0.1481	4.1825	0.5221	4.7046	1.1933	0.4803	1.6736		13,884.5093	13,884.5093	0.0967		13,886.5399
Worker	6.6313	7.3957	81.2606	0.3751	29.5731	0.2262	29.7993	7.8442	0.2098	8.0540		24,174.5730	24,174.5730	0.9447		24,194.4106
<b>Total</b>	<b>10.3976</b>	<b>29.5639</b>	<b>126.2168</b>	<b>0.5232</b>	<b>33.7557</b>	<b>0.7482</b>	<b>34.5039</b>	<b>9.0375</b>	<b>0.6901</b>	<b>9.7276</b>		<b>38,059.0822</b>	<b>38,059.0822</b>	<b>1.0414</b>		<b>38,080.9505</b>

### 3.4 Building Construction - 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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.7125	22.0240	44.3583	0.1481	4.1829	0.5220	4.7049	1.1935	0.4803	1.6737		13,886.0350	13,886.0350	0.0967		13,888.0665
Worker	6.4161	7.1724	79.0535	0.3751	29.5731	0.2276	29.8008	7.8442	0.2112	8.0554		24,012.6086	24,012.6086	0.9264		24,032.0626
<b>Total</b>	<b>10.1286</b>	<b>29.1964</b>	<b>123.4118</b>	<b>0.5232</b>	<b>33.7560</b>	<b>0.7496</b>	<b>34.5056</b>	<b>9.0376</b>	<b>0.6914</b>	<b>9.7291</b>		<b>37,898.6435</b>	<b>37,898.6435</b>	<b>1.0231</b>		<b>37,920.1291</b>

### 3.4 Building Construction - 2029

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	3.7125	22.0240	44.3583	0.1481	4.1829	0.5220	4.7049	1.1935	0.4803	1.6737		13,886.0350	13,886.0350	0.0967		13,888.0665
Worker	6.4161	7.1724	79.0535	0.3751	29.5731	0.2276	29.8008	7.8442	0.2112	8.0554		24,012.6086	24,012.6086	0.9264		24,032.0626
<b>Total</b>	<b>10.1286</b>	<b>29.1964</b>	<b>123.4118</b>	<b>0.5232</b>	<b>33.7560</b>	<b>0.7496</b>	<b>34.5056</b>	<b>9.0376</b>	<b>0.6914</b>	<b>9.7291</b>		<b>37,898.6435</b>	<b>37,898.6435</b>	<b>1.0231</b>		<b>37,920.1291</b>

### 3.4 Building Construction - 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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.6728	21.9110	44.0524	0.1481	4.1832	0.5221	4.7053	1.1936	0.4804	1.6739		13,887.6124	13,887.6124	0.0968		13,889.6449
Worker	6.2121	6.9739	77.0852	0.3751	29.5731	0.2286	29.8018	7.8442	0.2121	8.0563		23,875.2297	23,875.2297	0.9096		23,894.3318
<b>Total</b>	<b>9.8849</b>	<b>28.8849</b>	<b>121.1376</b>	<b>0.5232</b>	<b>33.7563</b>	<b>0.7508</b>	<b>34.5071</b>	<b>9.0378</b>	<b>0.6925</b>	<b>9.7302</b>		<b>37,762.8421</b>	<b>37,762.8421</b>	<b>1.0064</b>		<b>37,783.9767</b>

### 3.4 Building Construction - 2030

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.6728	21.9110	44.0524	0.1481	4.1832	0.5221	4.7053	1.1936	0.4804	1.6739		13,887.6124	13,887.6124	0.0968		13,889.6449
Worker	6.2121	6.9739	77.0852	0.3751	29.5731	0.2286	29.8018	7.8442	0.2121	8.0563		23,875.2297	23,875.2297	0.9096		23,894.3318
<b>Total</b>	<b>9.8849</b>	<b>28.8849</b>	<b>121.1376</b>	<b>0.5232</b>	<b>33.7563</b>	<b>0.7508</b>	<b>34.5071</b>	<b>9.0378</b>	<b>0.6925</b>	<b>9.7302</b>		<b>37,762.8421</b>	<b>37,762.8421</b>	<b>1.0064</b>		<b>37,783.9767</b>

### 3.4 Building Construction - 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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.6407	21.8249	43.8602	0.1481	4.1829	0.5223	4.7051	1.1934	0.4805	1.6739		13,886.8714	13,886.8714	0.0968		13,888.9049
Worker	6.0365	6.8009	75.5228	0.3751	29.5731	0.2293	29.8024	7.8442	0.2127	8.0569		23,759.8843	23,759.8843	0.8955		23,778.6900
<b>Total</b>	<b>9.6772</b>	<b>28.6258</b>	<b>119.3830</b>	<b>0.5232</b>	<b>33.7560</b>	<b>0.7515</b>	<b>34.5075</b>	<b>9.0376</b>	<b>0.6932</b>	<b>9.7308</b>		<b>37,646.7556</b>	<b>37,646.7556</b>	<b>0.9923</b>		<b>37,667.5949</b>

### 3.4 Building Construction - 2031

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.6407	21.8249	43.8602	0.1481	4.1829	0.5223	4.7051	1.1934	0.4805	1.6739		13,886.8714	13,886.8714	0.0968		13,888.9049
Worker	6.0365	6.8009	75.5228	0.3751	29.5731	0.2293	29.8024	7.8442	0.2127	8.0569		23,759.8843	23,759.8843	0.8955		23,778.6900
<b>Total</b>	<b>9.6772</b>	<b>28.6258</b>	<b>119.3830</b>	<b>0.5232</b>	<b>33.7560</b>	<b>0.7515</b>	<b>34.5075</b>	<b>9.0376</b>	<b>0.6932</b>	<b>9.7308</b>		<b>37,646.7556</b>	<b>37,646.7556</b>	<b>0.9923</b>		<b>37,667.5949</b>

### 3.4 Building Construction - 2032

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.6096	21.7543	43.7046	0.1481	4.1826	0.5224	4.7049	1.1933	0.4806	1.6739		13,886.2616	13,886.2616	0.0969		13,888.2958
Worker	5.8754	6.6556	74.1359	0.3751	29.5731	0.2297	29.8028	7.8442	0.2131	8.0573		23,663.6350	23,663.6350	0.8831		23,682.1800
<b>Total</b>	<b>9.4850</b>	<b>28.4099</b>	<b>117.8405</b>	<b>0.5232</b>	<b>33.7557</b>	<b>0.7520</b>	<b>34.5077</b>	<b>9.0375</b>	<b>0.6936</b>	<b>9.7311</b>		<b>37,549.8966</b>	<b>37,549.8966</b>	<b>0.9800</b>		<b>37,570.4758</b>



### 3.4 Building Construction - 2032

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.6096	21.7543	43.7046	0.1481	4.1826	0.5224	4.7049	1.1933	0.4806	1.6739		13,886.2616	13,886.2616	0.0969		13,888.2958
Worker	5.8754	6.6556	74.1359	0.3751	29.5731	0.2297	29.8028	7.8442	0.2131	8.0573		23,663.6350	23,663.6350	0.8831		23,682.1800
<b>Total</b>	<b>9.4850</b>	<b>28.4099</b>	<b>117.8405</b>	<b>0.5232</b>	<b>33.7557</b>	<b>0.7520</b>	<b>34.5077</b>	<b>9.0375</b>	<b>0.6936</b>	<b>9.7311</b>		<b>37,549.8966</b>	<b>37,549.8966</b>	<b>0.9800</b>		<b>37,570.4758</b>

### 3.4 Building Construction - 2033

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.5707	21.6692	43.5789	0.1480	4.1822	0.5223	4.7044	1.1931	0.4805	1.6736		13,884.7750	13,884.7750	0.0969		13,886.8092
Worker	5.7164	6.5183	72.9108	0.3752	29.5731	0.2299	29.8030	7.8442	0.2133	8.0575		23,583.6838	23,583.6838	0.8715		23,601.9848
<b>Total</b>	<b>9.2870</b>	<b>28.1875</b>	<b>116.4896</b>	<b>0.5232</b>	<b>33.7553</b>	<b>0.7521</b>	<b>34.5074</b>	<b>9.0373</b>	<b>0.6938</b>	<b>9.7311</b>		<b>37,468.4588</b>	<b>37,468.4588</b>	<b>0.9683</b>		<b>37,488.7940</b>

### 3.4 Building Construction - 2033

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.5707	21.6692	43.5789	0.1480	4.1822	0.5223	4.7044	1.1931	0.4805	1.6736		13,884.7750	13,884.7750	0.0969		13,886.8092
Worker	5.7164	6.5183	72.9108	0.3752	29.5731	0.2299	29.8030	7.8442	0.2133	8.0575		23,583.6838	23,583.6838	0.8715		23,601.9848
<b>Total</b>	<b>9.2870</b>	<b>28.1875</b>	<b>116.4896</b>	<b>0.5232</b>	<b>33.7553</b>	<b>0.7521</b>	<b>34.5074</b>	<b>9.0373</b>	<b>0.6938</b>	<b>9.7311</b>		<b>37,468.4588</b>	<b>37,468.4588</b>	<b>0.9683</b>		<b>37,488.7940</b>

### 3.4 Building Construction - 2034

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.5400	21.6115	43.4735	0.1480	4.1818	0.5221	4.7039	1.1930	0.4803	1.6733		13,883.5785	13,883.5785	0.0969		13,885.6125
Worker	5.5574	6.4050	71.6538	0.3752	29.5731	0.2299	29.8030	7.8442	0.2133	8.0574		23,516.3125	23,516.3125	0.8605		23,534.3820
<b>Total</b>	<b>9.0974</b>	<b>28.0165</b>	<b>115.1273</b>	<b>0.5232</b>	<b>33.7549</b>	<b>0.7520</b>	<b>34.5069</b>	<b>9.0372</b>	<b>0.6936</b>	<b>9.7308</b>		<b>37,399.8909</b>	<b>37,399.8909</b>	<b>0.9573</b>		<b>37,419.9945</b>

### 3.4 Building Construction - 2034

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.5400	21.6115	43.4735	0.1480	4.1818	0.5221	4.7039	1.1930	0.4803	1.6733		13,883.5785	13,883.5785	0.0969		13,885.6125
Worker	5.5574	6.4050	71.6538	0.3752	29.5731	0.2299	29.8030	7.8442	0.2133	8.0574		23,516.3125	23,516.3125	0.8605		23,534.3820
<b>Total</b>	<b>9.0974</b>	<b>28.0165</b>	<b>115.1273</b>	<b>0.5232</b>	<b>33.7549</b>	<b>0.7520</b>	<b>34.5069</b>	<b>9.0372</b>	<b>0.6936</b>	<b>9.7308</b>		<b>37,399.8909</b>	<b>37,399.8909</b>	<b>0.9573</b>		<b>37,419.9945</b>

### 3.4 Building Construction - 2035

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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	3.5173	21.5694	43.3915	0.1480	4.1814	0.5220	4.7033	1.1928	0.4802	1.6730		13,882.4922	13,882.4922	0.0969		13,884.5261
Worker	5.4155	6.3126	70.6528	0.3752	29.5731	0.2298	29.8029	7.8442	0.2132	8.0574		23,460.7234	23,460.7234	0.8508		23,478.5901
<b>Total</b>	<b>8.9328</b>	<b>27.8820</b>	<b>114.0442</b>	<b>0.5232</b>	<b>33.7545</b>	<b>0.7518</b>	<b>34.5063</b>	<b>9.0370</b>	<b>0.6934</b>	<b>9.7304</b>		<b>37,343.2156</b>	<b>37,343.2156</b>	<b>0.9476</b>		<b>37,363.1162</b>

### 3.4 Building Construction - 2035

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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	3.5173	21.5694	43.3915	0.1480	4.1814	0.5220	4.7033	1.1928	0.4802	1.6730		13,882.4922	13,882.4922	0.0969		13,884.5261
Worker	5.4155	6.3126	70.6528	0.3752	29.5731	0.2298	29.8029	7.8442	0.2132	8.0574		23,460.7234	23,460.7234	0.8508		23,478.5901
<b>Total</b>	<b>8.9328</b>	<b>27.8820</b>	<b>114.0442</b>	<b>0.5232</b>	<b>33.7545</b>	<b>0.7518</b>	<b>34.5063</b>	<b>9.0370</b>	<b>0.6934</b>	<b>9.7304</b>		<b>37,343.2156</b>	<b>37,343.2156</b>	<b>0.9476</b>		<b>37,363.1162</b>

### 3.4 Building Construction - 2036

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.0402	0.0000	3.0402	0.7462	0.0000	0.7462			0.0000			0.0000
Worker					25.7019	0.0000	25.7019	6.3086	0.0000	6.3086			0.0000			0.0000
<b>Total</b>					<b>28.7421</b>	<b>0.0000</b>	<b>28.7421</b>	<b>7.0549</b>	<b>0.0000</b>	<b>7.0549</b>			<b>0.0000</b>			<b>0.0000</b>



### 3.4 Building Construction - 2036

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.0402	0.0000	3.0402	0.7462	0.0000	0.7462			0.0000			0.0000
Worker					25.7019	0.0000	25.7019	6.3086	0.0000	6.3086			0.0000			0.0000
<b>Total</b>					<b>28.7421</b>	<b>0.0000</b>	<b>28.7421</b>	<b>7.0549</b>	<b>0.0000</b>	<b>7.0549</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.4 Building Construction - 2037

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.0402	0.0000	3.0402	0.7462	0.0000	0.7462			0.0000			0.0000
Worker					25.7019	0.0000	25.7019	6.3086	0.0000	6.3086			0.0000			0.0000
<b>Total</b>					<b>28.7421</b>	<b>0.0000</b>	<b>28.7421</b>	<b>7.0549</b>	<b>0.0000</b>	<b>7.0549</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.4 Building Construction - 2037

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.0402	0.0000	3.0402	0.7462	0.0000	0.7462			0.0000			0.0000
Worker					25.7019	0.0000	25.7019	6.3086	0.0000	6.3086			0.0000			0.0000
<b>Total</b>					<b>28.7421</b>	<b>0.0000</b>	<b>28.7421</b>	<b>7.0549</b>	<b>0.0000</b>	<b>7.0549</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2037

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832		2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>		<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2037

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832	0.0000	2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>	<b>0.0000</b>	<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2038

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832		2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>		<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2038

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832	0.0000	2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>	<b>0.0000</b>	<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.6 Architectural Coating - 2038

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	293.7330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
<b>Total</b>	<b>293.8509</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>		<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					5.1404	0.0000	5.1404	1.2617	0.0000	1.2617			0.0000			0.0000
<b>Total</b>					<b>5.1404</b>	<b>0.0000</b>	<b>5.1404</b>	<b>1.2617</b>	<b>0.0000</b>	<b>1.2617</b>			<b>0.0000</b>			<b>0.0000</b>



### 3.6 Architectural Coating - 2038

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	293.7330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
<b>Total</b>	<b>293.8509</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>		<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					5.1404	0.0000	5.1404	1.2617	0.0000	1.2617			0.0000			0.0000
<b>Total</b>					<b>5.1404</b>	<b>0.0000</b>	<b>5.1404</b>	<b>1.2617</b>	<b>0.0000</b>	<b>1.2617</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.6 Architectural Coating - 2039

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	293.7330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
<b>Total</b>	<b>293.8509</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>		<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					5.1404	0.0000	5.1404	1.2617	0.0000	1.2617			0.0000			0.0000
<b>Total</b>					<b>5.1404</b>	<b>0.0000</b>	<b>5.1404</b>	<b>1.2617</b>	<b>0.0000</b>	<b>1.2617</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.6 Architectural Coating - 2039

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	293.7330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
<b>Total</b>	<b>293.8509</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>		<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					5.1404	0.0000	5.1404	1.2617	0.0000	1.2617			0.0000			0.0000
<b>Total</b>					<b>5.1404</b>	<b>0.0000</b>	<b>5.1404</b>	<b>1.2617</b>	<b>0.0000</b>	<b>1.2617</b>			<b>0.0000</b>			<b>0.0000</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	104.5606	203.6406	998.8997	2.8520	191.6829	3.1514	194.8343	51.1666	2.9080	54.0745		217,764.2159	217,764.2159	8.1462		217,935.2865
Unmitigated	104.5606	203.6406	998.8997	2.8520	191.6829	3.1514	194.8343	51.1666	2.9080	54.0745		217,764.2159	217,764.2159	8.1462		217,935.2865

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	25,160.85	25,160.85	25,160.85	71,841,860	71,841,860
City Park	729.33	729.33	729.33	1,557,012	1,557,012
Elementary School	1,611.00	0.00	0.00	2,537,255	2,537,255
Strip Mall	8,859.77	8,859.77	8,859.77	13,644,345	13,644,345
<b>Total</b>	<b>36,360.95</b>	<b>34,749.95</b>	<b>34,749.95</b>	<b>89,580,471</b>	<b>89,580,471</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
Apartments Mid Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.513300	0.073549	0.191092	0.130830	0.036094	0.005140	0.012550	0.022916	0.001871	0.002062	0.006564	0.000586	0.003446

**5.0 Energy Detail**

**4.4 Fleet Mix**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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
	lb/day										lb/day					
NaturalGas Mitigated	0.7497	6.4195	2.8193	0.0409		0.5180	0.5180		0.5180	0.5180		8,178.9840	8,178.9840	0.1568	0.1500	8,228.7599
NaturalGas Unmitigated	0.7497	6.4195	2.8193	0.0409		0.5180	0.5180		0.5180	0.5180		8,178.9840	8,178.9840	0.1568	0.1500	8,228.7599

**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					
Elementary School	1278.1	0.0138	0.1253	0.1053	7.5000e-004		9.5200e-003	9.5200e-003		9.5200e-003	9.5200e-003		150.3648	150.3648	2.8800e-003	2.7600e-003	151.2799
Strip Mall	876.474	9.4500e-003	0.0859	0.0722	5.2000e-004		6.5300e-003	6.5300e-003		6.5300e-003	6.5300e-003		103.1146	103.1146	1.9800e-003	1.8900e-003	103.7421
Apartments Mid Rise	67366.8	0.7265	6.2083	2.6418	0.0396		0.5020	0.5020		0.5020	0.5020		7,925.5046	7,925.5046	0.1519	0.1453	7,973.7379
City Park	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
<b>Total</b>		<b>0.7497</b>	<b>6.4195</b>	<b>2.8193</b>	<b>0.0409</b>		<b>0.5180</b>	<b>0.5180</b>		<b>0.5180</b>	<b>0.5180</b>		<b>8,178.9840</b>	<b>8,178.9840</b>	<b>0.1568</b>	<b>0.1500</b>	<b>8,228.7599</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	1.2781	0.0138	0.1253	0.1053	7.5000e-004		9.5200e-003	9.5200e-003		9.5200e-003	9.5200e-003		150.3648	150.3648	2.8800e-003	2.7600e-003	151.2799
Strip Mall	0.876474	9.4500e-003	0.0859	0.0722	5.2000e-004		6.5300e-003	6.5300e-003		6.5300e-003	6.5300e-003		103.1146	103.1146	1.9800e-003	1.8900e-003	103.7421
Apartments Mid Rise	67.3668	0.7265	6.2083	2.6418	0.0396		0.5020	0.5020		0.5020	0.5020		7,925.5046	7,925.5046	0.1519	0.1453	7,973.7379
City Park	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
<b>Total</b>		<b>0.7497</b>	<b>6.4195</b>	<b>2.8193</b>	<b>0.0409</b>		<b>0.5180</b>	<b>0.5180</b>		<b>0.5180</b>	<b>0.5180</b>		<b>8,178.9840</b>	<b>8,178.9840</b>	<b>0.1568</b>	<b>0.1500</b>	<b>8,228.7599</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	7,034.4028	97.4185	8,826.8475	3.3223		1,189.9869	1,189.9869		1,189.9521	1,189.9521	124,556.2123	52,903.5471	177,459.7594	115.5950	9.7973	182,924.4132
Unmitigated	7,034.4028	97.4185	8,826.8475	3.3223		1,189.9869	1,189.9869		1,189.9521	1,189.9521	124,556.2123	52,903.5471	177,459.7594	115.5950	9.7973	182,924.4132

## 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	43.6794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	115.5869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6,863.8214	93.1237	8,455.4908	3.3027		1,187.9452	1,187.9452		1,187.9104	1,187.9104	124,556.2123	52,237.0588	176,793.2712	114.9447	9.7973	182,244.2689
Landscaping	11.3151	4.2948	371.3567	0.0196		2.0418	2.0418		2.0418	2.0418		666.4883	666.4883	0.6503		680.1443
<b>Total</b>	<b>7,034.4028</b>	<b>97.4185</b>	<b>8,826.8475</b>	<b>3.3223</b>		<b>1,189.9869</b>	<b>1,189.9869</b>		<b>1,189.9521</b>	<b>1,189.9521</b>	<b>124,556.2123</b>	<b>52,903.5471</b>	<b>177,459.7595</b>	<b>115.5950</b>	<b>9.7973</b>	<b>182,924.4132</b>



### 6.2 Area by SubCategory

#### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	43.6794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	115.5869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6,863.8214	93.1237	8,455.4908	3.3027		1,187.9452	1,187.9452		1,187.9104	1,187.9104	124,556.2123	52,237.0588	176,793.2712	114.9447	9.7973	182,244.2689
Landscaping	11.3151	4.2948	371.3567	0.0196		2.0418	2.0418		2.0418	2.0418		666.4883	666.4883	0.6503		680.1443
<b>Total</b>	<b>7,034.4028</b>	<b>97.4185</b>	<b>8,826.8475</b>	<b>3.3223</b>		<b>1,189.9869</b>	<b>1,189.9869</b>		<b>1,189.9521</b>	<b>1,189.9521</b>	<b>124,556.2123</b>	<b>52,903.5471</b>	<b>177,459.7595</b>	<b>115.5950</b>	<b>9.7973</b>	<b>182,924.4132</b>

### 7.0 Water Detail

#### 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

### 8.0 Waste Detail

#### 8.1 Mitigation Measures Waste

### 9.0 Operational Offroad

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



**Central Village Specific Plan (Proposed Specific Plan)**  
**San Diego County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	900.00	Student	13.10	75,243.03	0
City Park	16.10	Acre	16.10	701,316.00	0
Apartments Mid Rise	4,485.00	Dwelling Unit	150.00	4,485,000.00	12827
Strip Mall	139.70	1000sqft	50.00	139,700.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2020
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	720.49	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Project Characteristics -

Land Use - Project Size

Construction Phase -

Off-road Equipment -

Grading - 229.2 acre site

Architectural Coating - 150 g/l

Vehicle Trips - Adjusted to meet Otay Community Plan Assumptions

Area Coating - 150 g/l

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	150.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	250
tblGrading	AcresOfGrading	1,162.50	229.20
tblGrading	AcresOfGrading	0.00	229.20
tblLandUse	LotAcreage	1.73	13.10
tblLandUse	LotAcreage	118.03	150.00
tblLandUse	LotAcreage	3.21	50.00
tblProjectCharacteristics	OperationalYear	2014	2020
tblVehicleTrips	ST_TR	7.16	5.61
tblVehicleTrips	ST_TR	1.59	45.30
tblVehicleTrips	ST_TR	42.04	63.42
tblVehicleTrips	SU_TR	6.07	5.61
tblVehicleTrips	SU_TR	1.59	45.30
tblVehicleTrips	SU_TR	20.43	63.42
tblVehicleTrips	WD_TR	6.59	5.61
tblVehicleTrips	WD_TR	1.59	45.30
tblVehicleTrips	WD_TR	1.29	1.79
tblVehicleTrips	WD_TR	44.32	63.42

## 2.0 Emissions Summary

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### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.1663	69.6757	47.5874	0.0637	19.5645	3.3184	22.3198	10.1157	3.0529	12.6506	0.0000	6,470.1987	6,470.1987	1.9425	0.0000	6,510.9902
2018	5.3506	59.6101	43.0133	0.0637	6.7091	2.7892	9.4983	3.4103	2.5661	5.9763	0.0000	6,363.7433	6,363.7433	1.9416	0.0000	6,404.5174
2019	18.6172	78.5649	215.7464	0.5267	33.7539	2.5061	35.9317	9.0368	2.3056	11.0678	0.0000	42,929.6981	42,929.6981	2.0041	0.0000	42,971.7835
2020	17.4847	69.1794	205.0337	0.5265	33.7537	1.9348	35.6885	9.0367	1.8042	10.8409	0.0000	41,511.9639	41,511.9639	1.9300	0.0000	41,552.4938
2021	16.4538	59.8299	196.0069	0.5267	33.7538	1.7189	35.4727	9.0368	1.6024	10.6391	0.0000	41,070.2165	41,070.2165	1.8774	0.0000	41,109.6417
2022	15.6075	53.5963	186.9293	0.5265	33.7540	1.5624	35.3163	9.0368	1.4559	10.4927	0.0000	40,645.0787	40,645.0787	1.8284	0.0000	40,683.4741
2023	14.7559	48.2430	178.5877	0.5261	33.7542	1.4417	35.1959	9.0369	1.3427	10.3796	0.0000	40,247.4534	40,247.4534	1.7772	0.0000	40,284.7747
2024	13.9993	46.4899	170.1901	0.5260	33.7543	1.3591	35.1134	9.0369	1.2648	10.3017	0.0000	39,920.4368	39,920.4368	1.7384	0.0000	39,956.9424
2025	13.4569	44.8771	164.6649	0.5260	33.7545	1.2773	35.0319	9.0370	1.1878	10.2248	0.0000	39,638.4765	39,638.4765	1.7058	0.0000	39,674.2983
2026	13.0953	44.1920	160.6136	0.5259	33.7549	1.2739	35.0288	9.0372	1.1846	10.2218	0.0000	39,394.7789	39,394.7789	1.6818	0.0000	39,430.0965
2027	12.7499	43.6937	156.3217	0.5259	33.7553	1.2766	35.0319	9.0373	1.1871	10.2245	0.0000	39,185.5918	39,185.5918	1.6615	0.0000	39,220.4825
2028	12.4772	43.2457	153.6158	0.5259	33.7557	1.2776	35.0332	9.0375	1.1880	10.2255	0.0000	39,008.0237	39,008.0237	1.6424	0.0000	39,042.5134
2029	12.1832	42.8428	150.5434	0.5259	33.7560	1.2789	35.0349	9.0376	1.1893	10.2269	0.0000	38,856.4786	38,856.4786	1.6242	0.0000	38,890.5858
2030	11.8681	38.0084	148.3061	0.5299	33.7563	0.9027	34.6590	9.0378	0.8440	9.8818	0.0000	39,067.0071	39,067.0071	1.1257	0.0000	39,090.6471
2031	11.6484	37.7225	146.5318	0.5299	33.7560	0.9034	34.6595	9.0376	0.8448	9.8824	0.0000	38,957.1260	38,957.1260	1.1117	0.0000	38,980.4707
2032	11.4457	37.4843	144.9836	0.5299	33.7557	0.9039	34.6596	9.0375	0.8452	9.8827	0.0000	38,865.4279	38,865.4279	1.0993	0.0000	38,888.5126
2033	11.2304	37.2398	143.6234	0.5299	33.7553	0.9040	34.6593	9.0373	0.8453	9.8826	0.0000	38,788.3008	38,788.3008	1.0877	0.0000	38,811.1415

	ROG	NOx	CO	SO2	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					
2034	11.0256	37.0514	142.2682	0.5299	33.7549	0.9039	34.6588	9.0372	0.8451	9.8823	0.0000	38,723.3476	38,723.3476	1.0766	0.0000	38,745.9566
2035	10.7571	36.1363	141.1526	0.5298	33.7545	0.8461	34.6006	9.0370	0.7874	9.8244	0.0000	38,669.7402	38,669.7402	1.0587	0.0000	38,691.9725
2036	1.2123	7.1510	16.0922	0.0308	28.7421	0.0901	28.8321	7.0549	0.0901	7.1449	0.0000	2,884.8300	2,884.8300	0.1075	0.0000	2,887.0878
2037	1.2123	7.1510	16.0922	0.0308	28.7421	0.1832	28.8321	7.0549	0.1832	7.1449	0.0000	2,884.8300	2,884.8300	0.1075	0.0000	2,887.0878
2038	293.8509	4.7892	15.4905	0.0275	5.1404	0.1832	5.1503	1.2617	0.1832	1.2716	0.0000	2,599.9866	2,599.9866	0.1001	0.0000	2,602.0881
2039	293.8509	0.7577	1.7943	2.9700e-003	5.1404	9.9000e-003	5.1503	1.2617	9.9000e-003	1.2716	0.0000	281.4481	281.4481	0.0104	0.0000	281.6665
<b>Total</b>	<b>830.4990</b>	<b>947.5319</b>	<b>2,945.1890</b>	<b>9.1868</b>	<b>667.8714</b>	<b>28.8453</b>	<b>695.5588</b>	<b>183.7911</b>	<b>26.8095</b>	<b>209.5415</b>	<b>0.0000</b>	<b>696,964.1829</b>	<b>696,964.1829</b>	<b>30.2401</b>	<b>0.0000</b>	<b>697,599.2254</b>

**2.1 Overall Construction (Maximum Daily Emission)**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.1663	69.6757	47.5874	0.0637	19.5645	3.3184	22.3198	10.1157	3.0529	12.6506	0.0000	6,470.1986	6,470.1986	1.9425	0.0000	6,510.9902
2018	5.3506	59.6101	43.0133	0.0637	6.7091	2.7892	9.4983	3.4103	2.5661	5.9763	0.0000	6,363.7433	6,363.7433	1.9416	0.0000	6,404.5174
2019	18.6172	78.5649	215.7464	0.5267	33.7539	2.5061	35.9317	9.0368	2.3056	11.0678	0.0000	42,929.6981	42,929.6981	2.0041	0.0000	42,971.7835
2020	17.4847	69.1794	205.0337	0.5265	33.7537	1.9348	35.6885	9.0367	1.8042	10.8409	0.0000	41,511.9639	41,511.9639	1.9300	0.0000	41,552.4938
2021	16.4538	59.8299	196.0069	0.5267	33.7538	1.7189	35.4727	9.0368	1.6024	10.6391	0.0000	41,070.2165	41,070.2165	1.8774	0.0000	41,109.6417
2022	15.6075	53.5963	186.9293	0.5265	33.7540	1.5624	35.3163	9.0368	1.4559	10.4927	0.0000	40,645.0787	40,645.0787	1.8284	0.0000	40,683.4741

	ROG	NOx	CO	SO2	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					
2023	14.7559	48.2430	178.5877	0.5261	33.7542	1.4417	35.1959	9.0369	1.3427	10.3796	0.0000	40,247.45 34	40,247.45 34	1.7772	0.0000	40,284.77 46
2024	13.9993	46.4899	170.1901	0.5260	33.7543	1.3591	35.1134	9.0369	1.2648	10.3017	0.0000	39,920.43 68	39,920.43 68	1.7384	0.0000	39,956.94 24
2025	13.4569	44.8771	164.6649	0.5260	33.7545	1.2773	35.0319	9.0370	1.1878	10.2248	0.0000	39,638.47 65	39,638.47 65	1.7058	0.0000	39,674.29 83
2026	13.0953	44.1920	160.6136	0.5259	33.7549	1.2739	35.0288	9.0372	1.1846	10.2218	0.0000	39,394.77 89	39,394.77 89	1.6818	0.0000	39,430.09 65
2027	12.7499	43.6937	156.3217	0.5259	33.7553	1.2766	35.0319	9.0373	1.1871	10.2245	0.0000	39,185.59 18	39,185.59 18	1.6615	0.0000	39,220.48 25
2028	12.4772	43.2457	153.6158	0.5259	33.7557	1.2776	35.0332	9.0375	1.1880	10.2255	0.0000	39,008.02 37	39,008.02 37	1.6424	0.0000	39,042.51 34
2029	12.1832	42.8428	150.5434	0.5259	33.7560	1.2789	35.0349	9.0376	1.1893	10.2269	0.0000	38,856.47 86	38,856.47 86	1.6242	0.0000	38,890.58 58
2030	11.8681	38.0084	148.3061	0.5299	33.7563	0.9027	34.6590	9.0378	0.8440	9.8818	0.0000	39,067.00 71	39,067.00 71	1.1257	0.0000	39,090.64 71
2031	11.6484	37.7225	146.5318	0.5299	33.7560	0.9034	34.6595	9.0376	0.8448	9.8824	0.0000	38,957.12 60	38,957.12 60	1.1117	0.0000	38,980.47 07
2032	11.4457	37.4843	144.9836	0.5299	33.7557	0.9039	34.6596	9.0375	0.8452	9.8827	0.0000	38,865.42 79	38,865.42 79	1.0993	0.0000	38,888.51 26
2033	11.2304	37.2398	143.6234	0.5299	33.7553	0.9040	34.6593	9.0373	0.8453	9.8826	0.0000	38,788.30 08	38,788.30 08	1.0877	0.0000	38,811.14 14
2034	11.0256	37.0514	142.2682	0.5299	33.7549	0.9039	34.6588	9.0372	0.8451	9.8823	0.0000	38,723.34 75	38,723.34 75	1.0766	0.0000	38,745.95 66
2035	10.7571	36.1363	141.1526	0.5298	33.7545	0.8461	34.6006	9.0370	0.7874	9.8244	0.0000	38,669.74 02	38,669.74 02	1.0587	0.0000	38,691.97 25
2036	1.2123	7.1510	16.0922	0.0308	28.7421	0.0901	28.8321	7.0549	0.0901	7.1449	0.0000	2,884.830 0	2,884.830 0	0.1075	0.0000	2,887.087 8
2037	1.2123	7.1510	16.0922	0.0308	28.7421	0.1832	28.8321	7.0549	0.1832	7.1449	0.0000	2,884.830 0	2,884.830 0	0.1075	0.0000	2,887.087 8
2038	293.8509	4.7892	15.4905	0.0275	5.1404	0.1832	5.1503	1.2617	0.1832	1.2716	0.0000	2,599.986 6	2,599.986 6	0.1001	0.0000	2,602.088 1
2039	293.8509	0.7577	1.7943	2.9700e-003	5.1404	9.9000e-003	5.1503	1.2617	9.9000e-003	1.2716	0.0000	281.4481	281.4481	0.0104	0.0000	281.6665
<b>Total</b>	<b>830.4990</b>	<b>947.5319</b>	<b>2,945.189 0</b>	<b>9.1868</b>	<b>667.8714</b>	<b>28.8453</b>	<b>695.5588</b>	<b>183.7911</b>	<b>26.8095</b>	<b>209.5415</b>	<b>0.0000</b>	<b>696,964.1 829</b>	<b>696,964.1 829</b>	<b>30.2401</b>	<b>0.0000</b>	<b>697,599.2 254</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	7,034.4028	97.4185	8,826.8475	3.3223		1,189.9869	1,189.9869		1,189.9521	1,189.9521	124,556.2123	52,903.5471	177,459.7594	115.5950	9.7973	182,924.4132
Energy	0.7497	6.4195	2.8193	0.0409		0.5180	0.5180		0.5180	0.5180		8,178.9840	8,178.9840	0.1568	0.1500	8,228.7599
Mobile	111.1043	216.3759	1,060.6488	2.7102	191.6829	3.1635	194.8463	51.1666	2.9191	54.0856		207,381.5850	207,381.5850	8.1543		207,552.8257
<b>Total</b>	<b>7,146.2569</b>	<b>320.2139</b>	<b>9,890.3156</b>	<b>6.0734</b>	<b>191.6829</b>	<b>1,193.6684</b>	<b>1,385.3513</b>	<b>51.1666</b>	<b>1,193.3892</b>	<b>1,244.5557</b>	<b>124,556.2123</b>	<b>268,464.1161</b>	<b>393,020.3284</b>	<b>123.9061</b>	<b>9.9472</b>	<b>398,705.9988</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	7,034.4028	97.4185	8,826.8475	3.3223		1,189.9869	1,189.9869		1,189.9521	1,189.9521	124,556.2123	52,903.5471	177,459.7594	115.5950	9.7973	182,924.4132
Energy	0.7497	6.4195	2.8193	0.0409		0.5180	0.5180		0.5180	0.5180		8,178.9840	8,178.9840	0.1568	0.1500	8,228.7599
Mobile	111.1043	216.3759	1,060.6488	2.7102	191.6829	3.1635	194.8463	51.1666	2.9191	54.0856		207,381.5850	207,381.5850	8.1543		207,552.8257
<b>Total</b>	<b>7,146.2569</b>	<b>320.2139</b>	<b>9,890.3156</b>	<b>6.0734</b>	<b>191.6829</b>	<b>1,193.6684</b>	<b>1,385.3513</b>	<b>51.1666</b>	<b>1,193.3892</b>	<b>1,244.5557</b>	<b>124,556.2123</b>	<b>268,464.1161</b>	<b>393,020.3284</b>	<b>123.9061</b>	<b>9.9472</b>	<b>398,705.9988</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	Site Preparation	Site Preparation	1/1/2017	9/8/2017	5	180	
2	Grading	Grading	9/9/2017	6/21/2019	5	465	
3	Building Construction	Building Construction	6/22/2019	4/17/2037	5	4650	
4	Paving	Paving	4/18/2037	7/23/2038	5	330	
5	Architectural Coating	Architectural Coating	7/24/2038	10/28/2039	5	330	

Acres of Grading (Site Preparation Phase): 229.2

Acres of Grading (Grading Phase): 229.2

Acres of Paving: 0

Residential Indoor: 9,082,125; Residential Outdoor: 3,027,375; Non-Residential Indoor: 1,374,389; Non-Residential Outdoor: 458,130  
(Architectural Coating – sqft)

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	3,600.00	630.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	720.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

### 3.2 Site Preparation - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.4166	0.0000	19.4166	10.0765	0.0000	10.0765			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>19.4166</b>	<b>2.7542</b>	<b>22.1709</b>	<b>10.0765</b>	<b>2.5339</b>	<b>12.6104</b>		<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</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	0.0604	0.0753	0.7041	1.7600e-003	0.1479	1.0800e-003	0.1489	0.0392	9.9000e-004	0.0402		141.1467	141.1467	7.2500e-003		141.2989
<b>Total</b>	<b>0.0604</b>	<b>0.0753</b>	<b>0.7041</b>	<b>1.7600e-003</b>	<b>0.1479</b>	<b>1.0800e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.9000e-004</b>	<b>0.0402</b>		<b>141.1467</b>	<b>141.1467</b>	<b>7.2500e-003</b>		<b>141.2989</b>

### 3.2 Site Preparation - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.4166	0.0000	19.4166	10.0765	0.0000	10.0765			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
<b>Total</b>	<b>4.8382</b>	<b>51.7535</b>	<b>39.3970</b>	<b>0.0391</b>	<b>19.4166</b>	<b>2.7542</b>	<b>22.1709</b>	<b>10.0765</b>	<b>2.5339</b>	<b>12.6104</b>	<b>0.0000</b>	<b>4,003.0859</b>	<b>4,003.0859</b>	<b>1.2265</b>		<b>4,028.8432</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	0.0604	0.0753	0.7041	1.7600e-003	0.1479	1.0800e-003	0.1489	0.0392	9.9000e-004	0.0402		141.1467	141.1467	7.2500e-003		141.2989
<b>Total</b>	<b>0.0604</b>	<b>0.0753</b>	<b>0.7041</b>	<b>1.7600e-003</b>	<b>0.1479</b>	<b>1.0800e-003</b>	<b>0.1489</b>	<b>0.0392</b>	<b>9.9000e-004</b>	<b>0.0402</b>		<b>141.1467</b>	<b>141.1467</b>	<b>7.2500e-003</b>		<b>141.2989</b>

### 3.3 Grading - 2017

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518		6,313.3690	6,313.3690	1.9344		6,353.9915
<b>Total</b>	<b>6.0991</b>	<b>69.5920</b>	<b>46.8050</b>	<b>0.0617</b>	<b>6.5448</b>	<b>3.3172</b>	<b>9.8620</b>	<b>3.3667</b>	<b>3.0518</b>	<b>6.4185</b>		<b>6,313.3690</b>	<b>6,313.3690</b>	<b>1.9344</b>		<b>6,353.9915</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	0.0671	0.0837	0.7823	1.9500e-003	0.1643	1.1900e-003	0.1655	0.0436	1.1000e-003	0.0447		156.8296	156.8296	8.0500e-003		156.9987
<b>Total</b>	<b>0.0671</b>	<b>0.0837</b>	<b>0.7823</b>	<b>1.9500e-003</b>	<b>0.1643</b>	<b>1.1900e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.1000e-003</b>	<b>0.0447</b>		<b>156.8296</b>	<b>156.8296</b>	<b>8.0500e-003</b>		<b>156.9987</b>

### 3.3 Grading - 2017

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518	0.0000	6,313.3690	6,313.3690	1.9344		6,353.9915
<b>Total</b>	<b>6.0991</b>	<b>69.5920</b>	<b>46.8050</b>	<b>0.0617</b>	<b>6.5448</b>	<b>3.3172</b>	<b>9.8620</b>	<b>3.3667</b>	<b>3.0518</b>	<b>6.4185</b>	<b>0.0000</b>	<b>6,313.3690</b>	<b>6,313.3690</b>	<b>1.9344</b>		<b>6,353.9915</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	0.0671	0.0837	0.7823	1.9500e-003	0.1643	1.1900e-003	0.1655	0.0436	1.1000e-003	0.0447		156.8296	156.8296	8.0500e-003		156.9987
<b>Total</b>	<b>0.0671</b>	<b>0.0837</b>	<b>0.7823</b>	<b>1.9500e-003</b>	<b>0.1643</b>	<b>1.1900e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.1000e-003</b>	<b>0.0447</b>		<b>156.8296</b>	<b>156.8296</b>	<b>8.0500e-003</b>		<b>156.9987</b>



### 3.3 Grading - 2018

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.804 2	6,212.804 2	1.9341		6,253.420 9
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
<b>Total</b>	<b>5.2895</b>	<b>59.5338</b>	<b>42.3068</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.7880</b>	<b>9.3328</b>	<b>3.3667</b>	<b>2.5650</b>	<b>5.9317</b>		<b>6,212.804 2</b>	<b>6,212.804 2</b>	<b>1.9341</b>		<b>6,253.420 9</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					
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0610	0.0763	0.7065	1.9500e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		150.9392	150.9392	7.4900e-003		151.0965
Hauling	0.0000	0.0000	0.0000	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>0.0610</b>	<b>0.0763</b>	<b>0.7065</b>	<b>1.9500e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>150.9392</b>	<b>150.9392</b>	<b>7.4900e-003</b>		<b>151.0965</b>

### 3.3 Grading - 2018

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650	0.0000	6,212.804 1	6,212.804 1	1.9341		6,253.420 9
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
<b>Total</b>	<b>5.2895</b>	<b>59.5338</b>	<b>42.3068</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.7880</b>	<b>9.3328</b>	<b>3.3667</b>	<b>2.5650</b>	<b>5.9317</b>	<b>0.0000</b>	<b>6,212.804 1</b>	<b>6,212.804 1</b>	<b>1.9341</b>		<b>6,253.420 9</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					
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0610	0.0763	0.7065	1.9500e-003	0.1643	1.1700e-003	0.1655	0.0436	1.0800e-003	0.0447		150.9392	150.9392	7.4900e-003		151.0965
Hauling	0.0000	0.0000	0.0000	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>0.0610</b>	<b>0.0763</b>	<b>0.7065</b>	<b>1.9500e-003</b>	<b>0.1643</b>	<b>1.1700e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>150.9392</b>	<b>150.9392</b>	<b>7.4900e-003</b>		<b>151.0965</b>

### 3.3 Grading - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.3121	6,111.3121	1.9336		6,151.9167
<b>Total</b>	<b>4.8912</b>	<b>54.1978</b>	<b>40.2888</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.5049</b>	<b>9.0497</b>	<b>3.3667</b>	<b>2.3045</b>	<b>5.6712</b>		<b>6,111.3121</b>	<b>6,111.3121</b>	<b>1.9336</b>		<b>6,151.9167</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	0.0566	0.0705	0.6492	1.9500e-003	0.1643	1.1600e-003	0.1655	0.0436	1.0800e-003	0.0447		145.4776	145.4776	7.0400e-003		145.6256
<b>Total</b>	<b>0.0566</b>	<b>0.0705</b>	<b>0.6492</b>	<b>1.9500e-003</b>	<b>0.1643</b>	<b>1.1600e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>145.4776</b>	<b>145.4776</b>	<b>7.0400e-003</b>		<b>145.6256</b>

### 3.3 Grading - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.5448	0.0000	6.5448	3.3667	0.0000	3.3667			0.0000				0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	6,111.3121	6,111.3121	1.9336			6,151.9167
<b>Total</b>	<b>4.8912</b>	<b>54.1978</b>	<b>40.2888</b>	<b>0.0617</b>	<b>6.5448</b>	<b>2.5049</b>	<b>9.0497</b>	<b>3.3667</b>	<b>2.3045</b>	<b>5.6712</b>	<b>0.0000</b>	<b>6,111.3121</b>	<b>6,111.3121</b>	<b>1.9336</b>			<b>6,151.9167</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	0.0566	0.0705	0.6492	1.9500e-003	0.1643	1.1600e-003	0.1655	0.0436	1.0800e-003	0.0447		145.4776	145.4776	7.0400e-003			145.6256
<b>Total</b>	<b>0.0566</b>	<b>0.0705</b>	<b>0.6492</b>	<b>1.9500e-003</b>	<b>0.1643</b>	<b>1.1600e-003</b>	<b>0.1655</b>	<b>0.0436</b>	<b>1.0800e-003</b>	<b>0.0447</b>		<b>145.4776</b>	<b>145.4776</b>	<b>7.0400e-003</b>			<b>145.6256</b>

### 3.4 Building Construction - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>		<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>		<b>2,593.9479</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	6.0729	44.9019	81.7780	0.1484	4.1808	0.6832	4.8640	1.1926	0.6285	1.8211		14,162.9662	14,162.9662	0.1081		14,165.2354
Worker	10.1926	12.6980	116.8481	0.3515	29.5731	0.2095	29.7826	7.8442	0.1942	8.0384		26,185.9702	26,185.9702	1.2681		26,212.6002
<b>Total</b>	<b>16.2655</b>	<b>57.5999</b>	<b>198.6261</b>	<b>0.4999</b>	<b>33.7539</b>	<b>0.8927</b>	<b>34.6466</b>	<b>9.0368</b>	<b>0.8227</b>	<b>9.8595</b>		<b>40,348.9363</b>	<b>40,348.9363</b>	<b>1.3762</b>		<b>40,377.8356</b>

### 3.4 Building Construction - 2019

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
<b>Total</b>	<b>2.3516</b>	<b>20.9650</b>	<b>17.1204</b>	<b>0.0268</b>		<b>1.2850</b>	<b>1.2850</b>		<b>1.2083</b>	<b>1.2083</b>	<b>0.0000</b>	<b>2,580.7618</b>	<b>2,580.7618</b>	<b>0.6279</b>		<b>2,593.9479</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	6.0729	44.9019	81.7780	0.1484	4.1808	0.6832	4.8640	1.1926	0.6285	1.8211		14,162.9662	14,162.9662	0.1081		14,165.2354
Worker	10.1926	12.6980	116.8481	0.3515	29.5731	0.2095	29.7826	7.8442	0.1942	8.0384		26,185.9702	26,185.9702	1.2681		26,212.6002
<b>Total</b>	<b>16.2655</b>	<b>57.5999</b>	<b>198.6261</b>	<b>0.4999</b>	<b>33.7539</b>	<b>0.8927</b>	<b>34.6466</b>	<b>9.0368</b>	<b>0.8227</b>	<b>9.8595</b>		<b>40,348.9363</b>	<b>40,348.9363</b>	<b>1.3762</b>		<b>40,377.8356</b>

### 3.4 Building Construction - 2020

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
<b>Total</b>	<b>2.1113</b>	<b>19.0839</b>	<b>16.8084</b>	<b>0.0268</b>		<b>1.1128</b>	<b>1.1128</b>		<b>1.0465</b>	<b>1.0465</b>		<b>2,542.4799</b>	<b>2,542.4799</b>	<b>0.6194</b>		<b>2,555.4880</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	5.7349	38.2330	79.0834	0.1481	4.1805	0.6122	4.7927	1.1925	0.5632	1.7557		13,838.8979	13,838.8979	0.1047		13,841.0966
Worker	9.6385	11.8624	109.1419	0.3515	29.5731	0.2098	29.7829	7.8442	0.1946	8.0387		25,130.5861	25,130.5861	1.2059		25,155.9092
<b>Total</b>	<b>15.3734</b>	<b>50.0954</b>	<b>188.2252</b>	<b>0.4997</b>	<b>33.7537</b>	<b>0.8220</b>	<b>34.5757</b>	<b>9.0367</b>	<b>0.7577</b>	<b>9.7944</b>		<b>38,969.4840</b>	<b>38,969.4840</b>	<b>1.3106</b>		<b>38,997.0058</b>

### 3.4 Building Construction - 2020

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
<b>Total</b>	<b>2.1113</b>	<b>19.0839</b>	<b>16.8084</b>	<b>0.0268</b>		<b>1.1128</b>	<b>1.1128</b>		<b>1.0465</b>	<b>1.0465</b>	<b>0.0000</b>	<b>2,542.4799</b>	<b>2,542.4799</b>	<b>0.6194</b>		<b>2,555.4880</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	5.7349	38.2330	79.0834	0.1481	4.1805	0.6122	4.7927	1.1925	0.5632	1.7557		13,838.8979	13,838.8979	0.1047		13,841.0966
Worker	9.6385	11.8624	109.1419	0.3515	29.5731	0.2098	29.7829	7.8442	0.1946	8.0387		25,130.5861	25,130.5861	1.2059		25,155.9092
<b>Total</b>	<b>15.3734</b>	<b>50.0954</b>	<b>188.2252</b>	<b>0.4997</b>	<b>33.7537</b>	<b>0.8220</b>	<b>34.5757</b>	<b>9.0367</b>	<b>0.7577</b>	<b>9.7944</b>		<b>38,969.4840</b>	<b>38,969.4840</b>	<b>1.3106</b>		<b>38,997.0058</b>



### 3.4 Building Construction - 2021

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
<b>Total</b>	<b>1.8931</b>	<b>17.3403</b>	<b>16.5376</b>	<b>0.0268</b>		<b>0.9549</b>	<b>0.9549</b>		<b>0.8979</b>	<b>0.8979</b>		<b>2,542.7817</b>	<b>2,542.7817</b>	<b>0.6126</b>		<b>2,555.6462</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	5.3864	31.3546	76.0759	0.1478	4.1806	0.5509	4.7316	1.1926	0.5069	1.6995		13,816.7053	13,816.7053	0.1044		13,818.8984
Worker	9.1743	11.1350	103.3933	0.3521	29.5731	0.2131	29.7862	7.8442	0.1976	8.0418		24,710.7295	24,710.7295	1.1604		24,735.0971
<b>Total</b>	<b>14.5607</b>	<b>42.4896</b>	<b>179.4692</b>	<b>0.4999</b>	<b>33.7538</b>	<b>0.7640</b>	<b>34.5178</b>	<b>9.0368</b>	<b>0.7045</b>	<b>9.7413</b>		<b>38,527.4347</b>	<b>38,527.4347</b>	<b>1.2648</b>		<b>38,553.9955</b>

### 3.4 Building Construction - 2021

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
<b>Total</b>	<b>1.8931</b>	<b>17.3403</b>	<b>16.5376</b>	<b>0.0268</b>		<b>0.9549</b>	<b>0.9549</b>		<b>0.8979</b>	<b>0.8979</b>	<b>0.0000</b>	<b>2,542.7817</b>	<b>2,542.7817</b>	<b>0.6126</b>		<b>2,555.6462</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	5.3864	31.3546	76.0759	0.1478	4.1806	0.5509	4.7316	1.1926	0.5069	1.6995		13,816.7053	13,816.7053	0.1044		13,818.8984
Worker	9.1743	11.1350	103.3933	0.3521	29.5731	0.2131	29.7862	7.8442	0.1976	8.0418		24,710.7295	24,710.7295	1.1604		24,735.0971
<b>Total</b>	<b>14.5607</b>	<b>42.4896</b>	<b>179.4692</b>	<b>0.4999</b>	<b>33.7538</b>	<b>0.7640</b>	<b>34.5178</b>	<b>9.0368</b>	<b>0.7045</b>	<b>9.7413</b>		<b>38,527.4347</b>	<b>38,527.4347</b>	<b>1.2648</b>		<b>38,553.9955</b>

### 3.4 Building Construction - 2022

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
<b>Total</b>	<b>1.6992</b>	<b>15.5364</b>	<b>16.3276</b>	<b>0.0268</b>		<b>0.8057</b>	<b>0.8057</b>		<b>0.7581</b>	<b>0.7581</b>		<b>2,543.7497</b>	<b>2,543.7497</b>	<b>0.6085</b>		<b>2,556.5286</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	5.1655	27.5433	73.0785	0.1476	4.1808	0.5421	4.7229	1.1926	0.4987	1.6914		13,802.3975	13,802.3975	0.1066		13,804.6367
Worker	8.7428	10.5166	97.5232	0.3521	29.5731	0.2146	29.7877	7.8442	0.1990	8.0432		24,298.9316	24,298.9316	1.1132		24,322.3088
<b>Total</b>	<b>13.9083</b>	<b>38.0599</b>	<b>170.6017</b>	<b>0.4997</b>	<b>33.7540</b>	<b>0.7566</b>	<b>34.5106</b>	<b>9.0368</b>	<b>0.6977</b>	<b>9.7346</b>		<b>38,101.3290</b>	<b>38,101.3290</b>	<b>1.2198</b>		<b>38,126.9455</b>

### 3.4 Building Construction - 2022

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
<b>Total</b>	<b>1.6992</b>	<b>15.5364</b>	<b>16.3276</b>	<b>0.0268</b>		<b>0.8057</b>	<b>0.8057</b>		<b>0.7581</b>	<b>0.7581</b>	<b>0.0000</b>	<b>2,543.7497</b>	<b>2,543.7497</b>	<b>0.6085</b>		<b>2,556.5286</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	5.1655	27.5433	73.0785	0.1476	4.1808	0.5421	4.7229	1.1926	0.4987	1.6914		13,802.3975	13,802.3975	0.1066		13,804.6367
Worker	8.7428	10.5166	97.5232	0.3521	29.5731	0.2146	29.7877	7.8442	0.1990	8.0432		24,298.9316	24,298.9316	1.1132		24,322.3088
<b>Total</b>	<b>13.9083</b>	<b>38.0599</b>	<b>170.6017</b>	<b>0.4997</b>	<b>33.7540</b>	<b>0.7566</b>	<b>34.5106</b>	<b>9.0368</b>	<b>0.6977</b>	<b>9.7346</b>		<b>38,101.3290</b>	<b>38,101.3290</b>	<b>1.2198</b>		<b>38,126.9455</b>

### 3.4 Building Construction - 2023

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.6262	2,544.6262	0.6044		2,557.3191
<b>Total</b>	<b>1.5661</b>	<b>14.3126</b>	<b>16.2093</b>	<b>0.0268</b>		<b>0.6967</b>	<b>0.6967</b>		<b>0.6557</b>	<b>0.6557</b>		<b>2,544.6262</b>	<b>2,544.6262</b>	<b>0.6044</b>		<b>2,557.3191</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	4.8422	23.9593	70.1184	0.1473	4.1811	0.5289	4.7099	1.1927	0.4866	1.6793		13,771.3256	13,771.3256	0.1003		13,773.4308
Worker	8.3476	9.9711	92.2600	0.3520	29.5731	0.2161	29.7893	7.8442	0.2005	8.0447		23,931.5016	23,931.5016	1.0725		23,954.0247
<b>Total</b>	<b>13.1898</b>	<b>33.9304</b>	<b>162.3784</b>	<b>0.4993</b>	<b>33.7542</b>	<b>0.7450</b>	<b>34.4992</b>	<b>9.0369</b>	<b>0.6871</b>	<b>9.7240</b>		<b>37,702.8272</b>	<b>37,702.8272</b>	<b>1.1728</b>		<b>37,727.4556</b>

### 3.4 Building Construction - 2023

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.626 2	2,544.626 2	0.6044		2,557.319 1
<b>Total</b>	<b>1.5661</b>	<b>14.3126</b>	<b>16.2093</b>	<b>0.0268</b>		<b>0.6967</b>	<b>0.6967</b>		<b>0.6557</b>	<b>0.6557</b>	<b>0.0000</b>	<b>2,544.626 2</b>	<b>2,544.626 2</b>	<b>0.6044</b>		<b>2,557.319 1</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	4.8422	23.9593	70.1184	0.1473	4.1811	0.5289	4.7099	1.1927	0.4866	1.6793		13,771.32 56	13,771.32 56	0.1003		13,773.43 08
Worker	8.3476	9.9711	92.2600	0.3520	29.5731	0.2161	29.7893	7.8442	0.2005	8.0447		23,931.50 16	23,931.50 16	1.0725		23,954.02 47
<b>Total</b>	<b>13.1898</b>	<b>33.9304</b>	<b>162.3784</b>	<b>0.4993</b>	<b>33.7542</b>	<b>0.7450</b>	<b>34.4992</b>	<b>9.0369</b>	<b>0.6871</b>	<b>9.7240</b>		<b>37,702.82 72</b>	<b>37,702.82 72</b>	<b>1.1728</b>		<b>37,727.45 56</b>

### 3.4 Building Construction - 2024

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
<b>Total</b>	<b>1.4653</b>	<b>13.3774</b>	<b>16.1332</b>	<b>0.0268</b>		<b>0.6106</b>	<b>0.6106</b>		<b>0.5744</b>	<b>0.5744</b>		<b>2,545.1154</b>	<b>2,545.1154</b>	<b>0.6009</b>		<b>2,557.7349</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	4.5493	23.6190	66.2309	0.1472	4.1811	0.5308	4.7119	1.1928	0.4883	1.6811		13,770.4313	13,770.4313	0.1006		13,772.5431
Worker	7.9848	9.4935	87.8260	0.3520	29.5731	0.2178	29.7910	7.8442	0.2021	8.0463		23,604.8901	23,604.8901	1.0369		23,626.6645
<b>Total</b>	<b>12.5341</b>	<b>33.1125</b>	<b>154.0569</b>	<b>0.4992</b>	<b>33.7543</b>	<b>0.7486</b>	<b>34.5029</b>	<b>9.0369</b>	<b>0.6904</b>	<b>9.7273</b>		<b>37,375.3213</b>	<b>37,375.3213</b>	<b>1.1374</b>		<b>37,399.2075</b>

### 3.4 Building Construction - 2024

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
<b>Total</b>	<b>1.4653</b>	<b>13.3774</b>	<b>16.1332</b>	<b>0.0268</b>		<b>0.6106</b>	<b>0.6106</b>		<b>0.5744</b>	<b>0.5744</b>	<b>0.0000</b>	<b>2,545.1154</b>	<b>2,545.1154</b>	<b>0.6009</b>		<b>2,557.7349</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	4.5493	23.6190	66.2309	0.1472	4.1811	0.5308	4.7119	1.1928	0.4883	1.6811		13,770.4313	13,770.4313	0.1006		13,772.5431
Worker	7.9848	9.4935	87.8260	0.3520	29.5731	0.2178	29.7910	7.8442	0.2021	8.0463		23,604.8901	23,604.8901	1.0369		23,626.6645
<b>Total</b>	<b>12.5341</b>	<b>33.1125</b>	<b>154.0569</b>	<b>0.4992</b>	<b>33.7543</b>	<b>0.7486</b>	<b>34.5029</b>	<b>9.0369</b>	<b>0.6904</b>	<b>9.7273</b>		<b>37,375.3213</b>	<b>37,375.3213</b>	<b>1.1374</b>		<b>37,399.2075</b>



### 3.4 Building Construction - 2025

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.4185	23.3691	64.4555	0.1472	4.1814	0.5325	4.7139	1.1929	0.4899	1.6828		13,771.6021	13,771.6021	0.1008		13,773.7198
Worker	7.6769	9.0983	84.1576	0.3520	29.5731	0.2199	29.7930	7.8442	0.2040	8.0482		23,320.9838	23,320.9838	1.0074		23,342.1399
<b>Total</b>	<b>12.0954</b>	<b>32.4674</b>	<b>148.6131</b>	<b>0.4991</b>	<b>33.7545</b>	<b>0.7523</b>	<b>34.5068</b>	<b>9.0370</b>	<b>0.6939</b>	<b>9.7309</b>		<b>37,092.5859</b>	<b>37,092.5859</b>	<b>1.1083</b>		<b>37,115.8597</b>

### 3.4 Building Construction - 2025

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.4185	23.3691	64.4555	0.1472	4.1814	0.5325	4.7139	1.1929	0.4899	1.6828		13,771.6021	13,771.6021	0.1008		13,773.7198
Worker	7.6769	9.0983	84.1576	0.3520	29.5731	0.2199	29.7930	7.8442	0.2040	8.0482		23,320.9838	23,320.9838	1.0074		23,342.1399
<b>Total</b>	<b>12.0954</b>	<b>32.4674</b>	<b>148.6131</b>	<b>0.4991</b>	<b>33.7545</b>	<b>0.7523</b>	<b>34.5068</b>	<b>9.0370</b>	<b>0.6939</b>	<b>9.7309</b>		<b>37,092.5859</b>	<b>37,092.5859</b>	<b>1.1083</b>		<b>37,115.8597</b>

### 3.4 Building Construction - 2026

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.3112	22.9928	63.2261	0.1471	4.1817	0.5266	4.7083	1.1930	0.4845	1.6775		13,772.7742	13,772.7742	0.1001		13,774.8762
Worker	7.4227	8.7895	81.3357	0.3520	29.5731	0.2223	29.7954	7.8442	0.2062	8.0504		23,076.1141	23,076.1141	0.9842		23,096.7817
<b>Total</b>	<b>11.7338</b>	<b>31.7823</b>	<b>144.5618</b>	<b>0.4991</b>	<b>33.7549</b>	<b>0.7489</b>	<b>34.5038</b>	<b>9.0372</b>	<b>0.6907</b>	<b>9.7279</b>		<b>36,848.8884</b>	<b>36,848.8884</b>	<b>1.0843</b>		<b>36,871.6579</b>

### 3.4 Building Construction - 2026

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.3112	22.9928	63.2261	0.1471	4.1817	0.5266	4.7083	1.1930	0.4845	1.6775		13,772.7742	13,772.7742	0.1001		13,774.8762
Worker	7.4227	8.7895	81.3357	0.3520	29.5731	0.2223	29.7954	7.8442	0.2062	8.0504		23,076.1141	23,076.1141	0.9842		23,096.7817
<b>Total</b>	<b>11.7338</b>	<b>31.7823</b>	<b>144.5618</b>	<b>0.4991</b>	<b>33.7549</b>	<b>0.7489</b>	<b>34.5038</b>	<b>9.0372</b>	<b>0.6907</b>	<b>9.7279</b>		<b>36,848.8884</b>	<b>36,848.8884</b>	<b>1.0843</b>		<b>36,871.6579</b>

### 3.4 Building Construction - 2027

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.2010	22.7594	61.4224	0.1471	4.1821	0.5273	4.7094	1.1932	0.4851	1.6783		13,774.4447	13,774.4447	0.1003		13,776.5501
Worker	7.1874	8.5247	78.8475	0.3519	29.5731	0.2243	29.7975	7.8442	0.2081	8.0523		22,865.2565	22,865.2565	0.9637		22,885.4939
<b>Total</b>	<b>11.3884</b>	<b>31.2840</b>	<b>140.2699</b>	<b>0.4991</b>	<b>33.7553</b>	<b>0.7516</b>	<b>34.5069</b>	<b>9.0373</b>	<b>0.6932</b>	<b>9.7306</b>		<b>36,639.7012</b>	<b>36,639.7012</b>	<b>1.0639</b>		<b>36,662.0440</b>

### 3.4 Building Construction - 2027

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.2010	22.7594	61.4224	0.1471	4.1821	0.5273	4.7094	1.1932	0.4851	1.6783		13,774.4447	13,774.4447	0.1003		13,776.5501
Worker	7.1874	8.5247	78.8475	0.3519	29.5731	0.2243	29.7975	7.8442	0.2081	8.0523		22,865.2565	22,865.2565	0.9637		22,885.4939
<b>Total</b>	<b>11.3884</b>	<b>31.2840</b>	<b>140.2699</b>	<b>0.4991</b>	<b>33.7553</b>	<b>0.7516</b>	<b>34.5069</b>	<b>9.0373</b>	<b>0.6932</b>	<b>9.7306</b>		<b>36,639.7012</b>	<b>36,639.7012</b>	<b>1.0639</b>		<b>36,662.0440</b>

### 3.4 Building Construction - 2028

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.1568	22.5679	60.9696	0.1471	4.1825	0.5264	4.7089	1.1933	0.4843	1.6776		13,776.4096	13,776.4096	0.1002		13,778.5138
Worker	6.9589	8.2681	76.5945	0.3519	29.5731	0.2262	29.7993	7.8442	0.2098	8.0540		22,685.7235	22,685.7235	0.9447		22,705.5611
<b>Total</b>	<b>11.1157</b>	<b>30.8360</b>	<b>137.5640</b>	<b>0.4991</b>	<b>33.7557</b>	<b>0.7526</b>	<b>34.5082</b>	<b>9.0375</b>	<b>0.6941</b>	<b>9.7316</b>		<b>36,462.1331</b>	<b>36,462.1331</b>	<b>1.0449</b>		<b>36,484.0749</b>

### 3.4 Building Construction - 2028

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.1568	22.5679	60.9696	0.1471	4.1825	0.5264	4.7089	1.1933	0.4843	1.6776		13,776.4096	13,776.4096	0.1002		13,778.5138
Worker	6.9589	8.2681	76.5945	0.3519	29.5731	0.2262	29.7993	7.8442	0.2098	8.0540		22,685.7235	22,685.7235	0.9447		22,705.5611
<b>Total</b>	<b>11.1157</b>	<b>30.8360</b>	<b>137.5640</b>	<b>0.4991</b>	<b>33.7557</b>	<b>0.7526</b>	<b>34.5082</b>	<b>9.0375</b>	<b>0.6941</b>	<b>9.7316</b>		<b>36,462.1331</b>	<b>36,462.1331</b>	<b>1.0449</b>		<b>36,484.0749</b>



### 3.4 Building Construction - 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	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>		<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.0874	22.4168	60.0600	0.1471	4.1829	0.5263	4.7092	1.1935	0.4842	1.6777		13,777.9340	13,777.9340	0.1003		13,780.0391
Worker	6.7343	8.0163	74.4316	0.3519	29.5731	0.2276	29.8008	7.8442	0.2112	8.0554		22,532.6541	22,532.6541	0.9264		22,552.1081
<b>Total</b>	<b>10.8217</b>	<b>30.4331</b>	<b>134.4916</b>	<b>0.4991</b>	<b>33.7560</b>	<b>0.7539</b>	<b>34.5099</b>	<b>9.0376</b>	<b>0.6954</b>	<b>9.7330</b>		<b>36,310.5881</b>	<b>36,310.5881</b>	<b>1.0266</b>		<b>36,332.1473</b>

### 3.4 Building Construction - 2029

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
<b>Total</b>	<b>1.3615</b>	<b>12.4097</b>	<b>16.0518</b>	<b>0.0269</b>		<b>0.5250</b>	<b>0.5250</b>		<b>0.4939</b>	<b>0.4939</b>	<b>0.0000</b>	<b>2,545.8905</b>	<b>2,545.8905</b>	<b>0.5975</b>		<b>2,558.4386</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	4.0874	22.4168	60.0600	0.1471	4.1829	0.5263	4.7092	1.1935	0.4842	1.6777		13,777.9340	13,777.9340	0.1003		13,780.0391
Worker	6.7343	8.0163	74.4316	0.3519	29.5731	0.2276	29.8008	7.8442	0.2112	8.0554		22,532.6541	22,532.6541	0.9264		22,552.1081
<b>Total</b>	<b>10.8217</b>	<b>30.4331</b>	<b>134.4916</b>	<b>0.4991</b>	<b>33.7560</b>	<b>0.7539</b>	<b>34.5099</b>	<b>9.0376</b>	<b>0.6954</b>	<b>9.7330</b>		<b>36,310.5881</b>	<b>36,310.5881</b>	<b>1.0266</b>		<b>36,332.1473</b>

### 3.4 Building Construction - 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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.0406	22.2982	59.6701	0.1471	4.1832	0.5264	4.7096	1.1936	0.4843	1.6779		13,779.5105	13,779.5105	0.1003		13,781.6167
Worker	6.5234	7.7923	72.5046	0.3519	29.5731	0.2286	29.8018	7.8442	0.2121	8.0563		22,402.6667	22,402.6667	0.9096		22,421.7688
<b>Total</b>	<b>10.5640</b>	<b>30.0905</b>	<b>132.1747</b>	<b>0.4991</b>	<b>33.7563</b>	<b>0.7551</b>	<b>34.5114</b>	<b>9.0378</b>	<b>0.6964</b>	<b>9.7342</b>		<b>36,182.1772</b>	<b>36,182.1772</b>	<b>1.0099</b>		<b>36,203.3854</b>

### 3.4 Building Construction - 2030

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.0406	22.2982	59.6701	0.1471	4.1832	0.5264	4.7096	1.1936	0.4843	1.6779		13,779.5105	13,779.5105	0.1003		13,781.6167
Worker	6.5234	7.7923	72.5046	0.3519	29.5731	0.2286	29.8018	7.8442	0.2121	8.0563		22,402.6667	22,402.6667	0.9096		22,421.7688
<b>Total</b>	<b>10.5640</b>	<b>30.0905</b>	<b>132.1747</b>	<b>0.4991</b>	<b>33.7563</b>	<b>0.7551</b>	<b>34.5114</b>	<b>9.0378</b>	<b>0.6964</b>	<b>9.7342</b>		<b>36,182.1772</b>	<b>36,182.1772</b>	<b>1.0099</b>		<b>36,203.3854</b>

### 3.4 Building Construction - 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	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.0027	22.2079	59.4305	0.1471	4.1829	0.5266	4.7094	1.1934	0.4845	1.6779		13,778.7682	13,778.7682	0.1003		13,780.8754
Worker	6.3416	7.5968	70.9700	0.3519	29.5731	0.2293	29.8024	7.8442	0.2127	8.0569		22,293.5278	22,293.5278	0.8955		22,312.3336
<b>Total</b>	<b>10.3443</b>	<b>29.8047</b>	<b>130.4005</b>	<b>0.4991</b>	<b>33.7560</b>	<b>0.7558</b>	<b>34.5118</b>	<b>9.0376</b>	<b>0.6972</b>	<b>9.7348</b>		<b>36,072.2961</b>	<b>36,072.2961</b>	<b>0.9959</b>		<b>36,093.2090</b>

### 3.4 Building Construction - 2031

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	4.0027	22.2079	59.4305	0.1471	4.1829	0.5266	4.7094	1.1934	0.4845	1.6779		13,778.7682	13,778.7682	0.1003		13,780.8754
Worker	6.3416	7.5968	70.9700	0.3519	29.5731	0.2293	29.8024	7.8442	0.2127	8.0569		22,293.5278	22,293.5278	0.8955		22,312.3336
<b>Total</b>	<b>10.3443</b>	<b>29.8047</b>	<b>130.4005</b>	<b>0.4991</b>	<b>33.7560</b>	<b>0.7558</b>	<b>34.5118</b>	<b>9.0376</b>	<b>0.6972</b>	<b>9.7348</b>		<b>36,072.2961</b>	<b>36,072.2961</b>	<b>0.9959</b>		<b>36,093.2090</b>

### 3.4 Building Construction - 2032

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.9661	22.1337	59.2408	0.1471	4.1826	0.5267	4.7092	1.1933	0.4845	1.6778		13,778.1579	13,778.1579	0.1004		13,780.2659
Worker	6.1755	7.4327	69.6115	0.3519	29.5731	0.2297	29.8028	7.8442	0.2131	8.0573		22,202.4400	22,202.4400	0.8831		22,220.9850
<b>Total</b>	<b>10.1416</b>	<b>29.5664</b>	<b>128.8523</b>	<b>0.4991</b>	<b>33.7557</b>	<b>0.7563</b>	<b>34.5120</b>	<b>9.0375</b>	<b>0.6976</b>	<b>9.7351</b>		<b>35,980.5979</b>	<b>35,980.5979</b>	<b>0.9835</b>		<b>36,001.2509</b>

### 3.4 Building Construction - 2032

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.9661	22.1337	59.2408	0.1471	4.1826	0.5267	4.7092	1.1933	0.4845	1.6778		13,778.1579	13,778.1579	0.1004		13,780.2659
Worker	6.1755	7.4327	69.6115	0.3519	29.5731	0.2297	29.8028	7.8442	0.2131	8.0573		22,202.4400	22,202.4400	0.8831		22,220.9850
<b>Total</b>	<b>10.1416</b>	<b>29.5664</b>	<b>128.8523</b>	<b>0.4991</b>	<b>33.7557</b>	<b>0.7563</b>	<b>34.5120</b>	<b>9.0375</b>	<b>0.6976</b>	<b>9.7351</b>		<b>35,980.5979</b>	<b>35,980.5979</b>	<b>0.9835</b>		<b>36,001.2509</b>



### 3.4 Building Construction - 2033

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.9203	22.0439	59.0846	0.1471	4.1822	0.5265	4.7087	1.1931	0.4844	1.6776		13,776.6704	13,776.6704	0.1004		13,778.7784
Worker	6.0059	7.2780	68.4075	0.3519	29.5731	0.2299	29.8030	7.8442	0.2133	8.0575		22,126.8005	22,126.8005	0.8715		22,145.1014
<b>Total</b>	<b>9.9263</b>	<b>29.3219</b>	<b>127.4921</b>	<b>0.4990</b>	<b>33.7553</b>	<b>0.7564</b>	<b>34.5117</b>	<b>9.0373</b>	<b>0.6977</b>	<b>9.7350</b>		<b>35,903.4708</b>	<b>35,903.4708</b>	<b>0.9719</b>		<b>35,923.8797</b>

### 3.4 Building Construction - 2033

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.9203	22.0439	59.0846	0.1471	4.1822	0.5265	4.7087	1.1931	0.4844	1.6776		13,776.6704	13,776.6704	0.1004		13,778.7784
Worker	6.0059	7.2780	68.4075	0.3519	29.5731	0.2299	29.8030	7.8442	0.2133	8.0575		22,126.8005	22,126.8005	0.8715		22,145.1014
<b>Total</b>	<b>9.9263</b>	<b>29.3219</b>	<b>127.4921</b>	<b>0.4990</b>	<b>33.7553</b>	<b>0.7564</b>	<b>34.5117</b>	<b>9.0373</b>	<b>0.6977</b>	<b>9.7350</b>		<b>35,903.4708</b>	<b>35,903.4708</b>	<b>0.9719</b>		<b>35,923.8797</b>

### 3.4 Building Construction - 2034

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.8843	21.9831	58.9552	0.1471	4.1818	0.5264	4.7082	1.1930	0.4843	1.6773		13,775.4727	13,775.4727	0.1004		13,777.5806
Worker	5.8372	7.1505	67.1817	0.3519	29.5731	0.2299	29.8030	7.8442	0.2133	8.0574		22,063.0449	22,063.0449	0.8605		22,081.1144
<b>Total</b>	<b>9.7215</b>	<b>29.1336</b>	<b>126.1369</b>	<b>0.4990</b>	<b>33.7549</b>	<b>0.7562</b>	<b>34.5112</b>	<b>9.0372</b>	<b>0.6975</b>	<b>9.7347</b>		<b>35,838.5176</b>	<b>35,838.5176</b>	<b>0.9608</b>		<b>35,858.6949</b>

### 3.4 Building Construction - 2034

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
<b>Total</b>	<b>1.3041</b>	<b>7.9179</b>	<b>16.1313</b>	<b>0.0308</b>		<b>0.1476</b>	<b>0.1476</b>		<b>0.1476</b>	<b>0.1476</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1158</b>		<b>2,887.2617</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	3.8843	21.9831	58.9552	0.1471	4.1818	0.5264	4.7082	1.1930	0.4843	1.6773		13,775.4727	13,775.4727	0.1004		13,777.5806
Worker	5.8372	7.1505	67.1817	0.3519	29.5731	0.2299	29.8030	7.8442	0.2133	8.0574		22,063.0449	22,063.0449	0.8605		22,081.1144
<b>Total</b>	<b>9.7215</b>	<b>29.1336</b>	<b>126.1369</b>	<b>0.4990</b>	<b>33.7549</b>	<b>0.7562</b>	<b>34.5112</b>	<b>9.0372</b>	<b>0.6975</b>	<b>9.7347</b>		<b>35,838.5176</b>	<b>35,838.5176</b>	<b>0.9608</b>		<b>35,858.6949</b>

### 3.4 Building Construction - 2035

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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	3.8576	21.9387	58.8575	0.1471	4.1814	0.5263	4.7076	1.1928	0.4842	1.6770		13,774.3853	13,774.3853	0.1004		13,776.4930
Worker	5.6872	7.0467	66.2029	0.3519	29.5731	0.2298	29.8029	7.8442	0.2132	8.0574		22,010.5249	22,010.5249	0.8508		22,028.3916
<b>Total</b>	<b>9.5448</b>	<b>28.9854</b>	<b>125.0604</b>	<b>0.4990</b>	<b>33.7545</b>	<b>0.7561</b>	<b>34.5106</b>	<b>9.0370</b>	<b>0.6974</b>	<b>9.7343</b>		<b>35,784.9103</b>	<b>35,784.9103</b>	<b>0.9512</b>		<b>35,804.8846</b>

### 3.4 Building Construction - 2035

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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	3.8576	21.9387	58.8575	0.1471	4.1814	0.5263	4.7076	1.1928	0.4842	1.6770		13,774.3853	13,774.3853	0.1004		13,776.4930
Worker	5.6872	7.0467	66.2029	0.3519	29.5731	0.2298	29.8029	7.8442	0.2132	8.0574		22,010.5249	22,010.5249	0.8508		22,028.3916
<b>Total</b>	<b>9.5448</b>	<b>28.9854</b>	<b>125.0604</b>	<b>0.4990</b>	<b>33.7545</b>	<b>0.7561</b>	<b>34.5106</b>	<b>9.0370</b>	<b>0.6974</b>	<b>9.7343</b>		<b>35,784.9103</b>	<b>35,784.9103</b>	<b>0.9512</b>		<b>35,804.8846</b>

### 3.4 Building Construction - 2036

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.0402	0.0000	3.0402	0.7462	0.0000	0.7462			0.0000			0.0000
Worker					25.7019	0.0000	25.7019	6.3086	0.0000	6.3086			0.0000			0.0000
<b>Total</b>					<b>28.7421</b>	<b>0.0000</b>	<b>28.7421</b>	<b>7.0549</b>	<b>0.0000</b>	<b>7.0549</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.4 Building Construction - 2036

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.0402	0.0000	3.0402	0.7462	0.0000	0.7462			0.0000			0.0000
Worker					25.7019	0.0000	25.7019	6.3086	0.0000	6.3086			0.0000			0.0000
<b>Total</b>					<b>28.7421</b>	<b>0.0000</b>	<b>28.7421</b>	<b>7.0549</b>	<b>0.0000</b>	<b>7.0549</b>			<b>0.0000</b>			<b>0.0000</b>



### 3.4 Building Construction - 2037

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>		<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.0402	0.0000	3.0402	0.7462	0.0000	0.7462			0.0000			0.0000
Worker					25.7019	0.0000	25.7019	6.3086	0.0000	6.3086			0.0000			0.0000
<b>Total</b>					<b>28.7421</b>	<b>0.0000</b>	<b>28.7421</b>	<b>7.0549</b>	<b>0.0000</b>	<b>7.0549</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.4 Building Construction - 2037

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
<b>Total</b>	<b>1.2123</b>	<b>7.1510</b>	<b>16.0922</b>	<b>0.0308</b>		<b>0.0901</b>	<b>0.0901</b>		<b>0.0901</b>	<b>0.0901</b>	<b>0.0000</b>	<b>2,884.8300</b>	<b>2,884.8300</b>	<b>0.1075</b>		<b>2,887.0878</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
Vendor					3.0402	0.0000	3.0402	0.7462	0.0000	0.7462			0.0000			0.0000
Worker					25.7019	0.0000	25.7019	6.3086	0.0000	6.3086			0.0000			0.0000
<b>Total</b>					<b>28.7421</b>	<b>0.0000</b>	<b>28.7421</b>	<b>7.0549</b>	<b>0.0000</b>	<b>7.0549</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2037

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832		2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>		<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2037

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832	0.0000	2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>	<b>0.0000</b>	<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2038

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832		2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>		<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.5 Paving - 2038

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1165	4.7892	15.4905	0.0275		0.1832	0.1832		0.1832	0.1832	0.0000	2,599.9866	2,599.9866	0.1001		2,602.0881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1165</b>	<b>4.7892</b>	<b>15.4905</b>	<b>0.0275</b>		<b>0.1832</b>	<b>0.1832</b>		<b>0.1832</b>	<b>0.1832</b>	<b>0.0000</b>	<b>2,599.9866</b>	<b>2,599.9866</b>	<b>0.1001</b>		<b>2,602.0881</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					0.1071	0.0000	0.1071	0.0263	0.0000	0.0263			0.0000			0.0000
<b>Total</b>					<b>0.1071</b>	<b>0.0000</b>	<b>0.1071</b>	<b>0.0263</b>	<b>0.0000</b>	<b>0.0263</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.6 Architectural Coating - 2038

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	293.7330					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104			281.6665
<b>Total</b>	<b>293.8509</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>			<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Worker					5.1404	0.0000	5.1404	1.2617	0.0000	1.2617			0.0000				0.0000
<b>Total</b>					<b>5.1404</b>	<b>0.0000</b>	<b>5.1404</b>	<b>1.2617</b>	<b>0.0000</b>	<b>1.2617</b>			<b>0.0000</b>				<b>0.0000</b>

### 3.6 Architectural Coating - 2038

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	293.7330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
<b>Total</b>	<b>293.8509</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>		<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					5.1404	0.0000	5.1404	1.2617	0.0000	1.2617			0.0000			0.0000
<b>Total</b>					<b>5.1404</b>	<b>0.0000</b>	<b>5.1404</b>	<b>1.2617</b>	<b>0.0000</b>	<b>1.2617</b>			<b>0.0000</b>			<b>0.0000</b>



### 3.6 Architectural Coating - 2039

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	293.7330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
<b>Total</b>	<b>293.8509</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>		<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					5.1404	0.0000	5.1404	1.2617	0.0000	1.2617			0.0000			0.0000
<b>Total</b>					<b>5.1404</b>	<b>0.0000</b>	<b>5.1404</b>	<b>1.2617</b>	<b>0.0000</b>	<b>1.2617</b>			<b>0.0000</b>			<b>0.0000</b>

### 3.6 Architectural Coating - 2039

#### Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	293.7330					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
<b>Total</b>	<b>293.8509</b>	<b>0.7577</b>	<b>1.7943</b>	<b>2.9700e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>		<b>9.9000e-003</b>	<b>9.9000e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0104</b>		<b>281.6665</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
Vendor					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Worker					5.1404	0.0000	5.1404	1.2617	0.0000	1.2617			0.0000			0.0000
<b>Total</b>					<b>5.1404</b>	<b>0.0000</b>	<b>5.1404</b>	<b>1.2617</b>	<b>0.0000</b>	<b>1.2617</b>			<b>0.0000</b>			<b>0.0000</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	111.1043	216.3759	1,060.6488	2.7102	191.6829	3.1635	194.8463	51.1666	2.9191	54.0856		207,381.5850	207,381.5850	8.1543		207,552.8257
Unmitigated	111.1043	216.3759	1,060.6488	2.7102	191.6829	3.1635	194.8463	51.1666	2.9191	54.0856		207,381.5850	207,381.5850	8.1543		207,552.8257

### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	25,160.85	25,160.85	25,160.85	71,841,860	71,841,860
City Park	729.33	729.33	729.33	1,557,012	1,557,012
Elementary School	1,611.00	0.00	0.00	2,537,255	2,537,255
Strip Mall	8,859.77	8,859.77	8,859.77	13,644,345	13,644,345
Total	36,360.95	34,749.95	34,749.95	89,580,471	89,580,471

### 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
Apartments Mid Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Strip Mall	9.50	7.30	7.30	16.60	64.40	19.00	45	40	15

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.513300	0.073549	0.191092	0.130830	0.036094	0.005140	0.012550	0.022916	0.001871	0.002062	0.006564	0.000586	0.003446

**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	0.7497	6.4195	2.8193	0.0409		0.5180	0.5180		0.5180	0.5180		8,178.9840	8,178.9840	0.1568	0.1500	8,228.7599
NaturalGas Unmitigated	0.7497	6.4195	2.8193	0.0409		0.5180	0.5180		0.5180	0.5180		8,178.9840	8,178.9840	0.1568	0.1500	8,228.7599

## 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					
Apartments Mid Rise	67366.8	0.7265	6.2083	2.6418	0.0396		0.5020	0.5020		0.5020	0.5020		7,925.5046	7,925.5046	0.1519	0.1453	7,973.7379
City Park	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
Elementary School	1278.1	0.0138	0.1253	0.1053	7.5000e-004		9.5200e-003	9.5200e-003		9.5200e-003	9.5200e-003		150.3648	150.3648	2.8800e-003	2.7600e-003	151.2799
Strip Mall	876.474	9.4500e-003	0.0859	0.0722	5.2000e-004		6.5300e-003	6.5300e-003		6.5300e-003	6.5300e-003		103.1146	103.1146	1.9800e-003	1.8900e-003	103.7421
<b>Total</b>		<b>0.7497</b>	<b>6.4195</b>	<b>2.8193</b>	<b>0.0409</b>		<b>0.5180</b>	<b>0.5180</b>		<b>0.5180</b>	<b>0.5180</b>		<b>8,178.9840</b>	<b>8,178.9840</b>	<b>0.1568</b>	<b>0.1500</b>	<b>8,228.7599</b>

### 5.2 Energy by Land Use - NaturalGas

#### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	67.3668	0.7265	6.2083	2.6418	0.0396		0.5020	0.5020		0.5020	0.5020		7,925.5046	7,925.5046	0.1519	0.1453	7,973.7379
City Park	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
Elementary School	1.2781	0.0138	0.1253	0.1053	7.5000e-004		9.5200e-003	9.5200e-003		9.5200e-003	9.5200e-003		150.3648	150.3648	2.8800e-003	2.7600e-003	151.2799
Strip Mall	0.876474	9.4500e-003	0.0859	0.0722	5.2000e-004		6.5300e-003	6.5300e-003		6.5300e-003	6.5300e-003		103.1146	103.1146	1.9800e-003	1.8900e-003	103.7421
<b>Total</b>		<b>0.7497</b>	<b>6.4195</b>	<b>2.8193</b>	<b>0.0409</b>		<b>0.5180</b>	<b>0.5180</b>		<b>0.5180</b>	<b>0.5180</b>		<b>8,178.9840</b>	<b>8,178.9840</b>	<b>0.1568</b>	<b>0.1500</b>	<b>8,228.7599</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	7,034.4028	97.4185	8,826.8475	3.3223		1,189.9869	1,189.9869		1,189.9521	1,189.9521	124,556.2123	52,903.5471	177,459.7594	115.5950	9.7973	182,924.4132
Unmitigated	7,034.4028	97.4185	8,826.8475	3.3223		1,189.9869	1,189.9869		1,189.9521	1,189.9521	124,556.2123	52,903.5471	177,459.7594	115.5950	9.7973	182,924.4132

### 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	43.6794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	115.5869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6,863.8214	93.1237	8,455.4908	3.3027		1,187.9452	1,187.9452		1,187.9104	1,187.9104	124,556.2123	52,237.0588	176,793.2712	114.9447	9.7973	182,244.2689
Landscaping	11.3151	4.2948	371.3567	0.0196		2.0418	2.0418		2.0418	2.0418		666.4883	666.4883	0.6503		680.1443
<b>Total</b>	<b>7,034.4028</b>	<b>97.4185</b>	<b>8,826.8475</b>	<b>3.3223</b>		<b>1,189.9869</b>	<b>1,189.9869</b>		<b>1,189.9521</b>	<b>1,189.9521</b>	<b>124,556.2123</b>	<b>52,903.5471</b>	<b>177,459.7595</b>	<b>115.5950</b>	<b>9.7973</b>	<b>182,924.4132</b>

## 6.2 Area by SubCategory

### Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	43.6794					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	115.5869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	6,863.8214	93.1237	8,455.4908	3.3027		1,187.9452	1,187.9452		1,187.9104	1,187.9104	124,556.2123	52,237.0588	176,793.2712	114.9447	9.7973	182,244.2689
Landscaping	11.3151	4.2948	371.3567	0.0196		2.0418	2.0418		2.0418	2.0418		666.4883	666.4883	0.6503		680.1443
<b>Total</b>	<b>7,034.4028</b>	<b>97.4185</b>	<b>8,826.8475</b>	<b>3.3223</b>		<b>1,189.9869</b>	<b>1,189.9869</b>		<b>1,189.9521</b>	<b>1,189.9521</b>	<b>124,556.2123</b>	<b>52,903.5471</b>	<b>177,459.7595</b>	<b>115.5950</b>	<b>9.7973</b>	<b>182,924.4132</b>

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Apply Water Conservation Strategy

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

## 9.0 Operational Offroad

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





**ATTACHMENT C**

AERMOD OUTPUT FILE

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## BREEZE AERMOD

### Sensitive Receptor Results

Pollutant: PM10, Type: CONC (ug/m\*\*3) 1 YEAR AVG., Group: ALL

Sen. Rcpt. #	Dsc. Rcpt. #	Description	UTM		Conc.
			East(m)	North(m)	
1	37	R1	501136.00	3602621.40	0.0095609068275100
2	38	R2	501472.80	3602628.60	0.0095261598187347
3	39	R3	500931.80	3602786.80	0.0169063393660758
4	40	R4	501037.00	3602470.30	0.0066211296322974
5	41	R5	501050.20	3602347.90	0.0046950022498922
6	42	R6	500735.90	3602266.20	0.0038229566714486
7	43	R7	501042.10	3602138.60	0.0029800909590818
8	44	R8	500399.00	3602416.20	0.0053175253692231
9	45	R9	500647.10	3602490.80	0.0065489924039176
10	46	R10	501297.20	3602778.60	0.0174700496562683
11	47	R11	501150.90	3602953.10	0.0478483363171242
12	48	R12	501455.30	3602918.00	0.0464332202546082
13	49	R13	500121.00	3602426.40	0.0052791191789079
14	50	R14	500220.80	3602415.80	0.0051781395075769

Pollutant: PM10, Type: CONC (ug/m\*\*3) 1ST HIGH 1-HR AVG., Group: ALL

Sen. Rcpt. #	Dsc. Rcpt. #	Description	UTM		Conc.	Date
			East(m)	North(m)		YYMMDDHH
1	37	R1	501136.00	3602621.40	0.08976	12110620
2	38	R2	501472.80	3602628.60	0.06973	12102922
3	39	R3	500931.80	3602786.80	0.13707	12102922
4	40	R4	501037.00	3602470.30	0.06021	12091420
5	41	R5	501050.20	3602347.90	0.03155	12112920
6	42	R6	500735.90	3602266.20	0.03760	12112920
7	43	R7	501042.10	3602138.60	0.03712	12112920
8	44	R8	500399.00	3602416.20	0.04331	12081906
9	45	R9	500647.10	3602490.80	0.05775	12112920
10	46	R10	501297.20	3602778.60	0.07782	12120323
11	47	R11	501150.90	3602953.10	0.17492	12042005
12	48	R12	501455.30	3602918.00	0.15491	12010418
13	49	R13	500121.00	3602426.40	0.03629	12121023
14	50	R14	500220.80	3602415.80	0.03865	12120222

# Attachment C

output.txt

\*\* AERMAP - VERSION 11103  
\*\*

06/20/16  
08:52:55

\*\* BREEZE AERMOD  
\*\* Trinity Consultants  
\*\* VERSION 7.10

CO STARTING  
\*\* HILLHTS 1  
CO TITLEONE NO TITLE SPECIFIED  
CO TERRHGTS EXTRACT  
CO FLAGPOLE 1.5  
CO DATATYPE NED  
CO DATAFILE C:\Users\ryan\_000\OneDrive\LDNWOR~1\15-900~1\6-6-16\HR\Terrain\NEDU21~1\NEDU21099050.TIF  
CO ANCHORXY 0 0 0 11 3  
CO RUNORNOT RUN  
CO FINISHED

SO STARTING  
SO ELEVUNIT METERS  
SO LOCATION EHIRX02C VOLUME 500280.2 3602980.5  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02D VOLUME 500258.5 3602984.4  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02E VOLUME 500236.9 3602988.3  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02F VOLUME 500215.7 3602994  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02G VOLUME 500194.6 3603000.5  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02H VOLUME 500173.6 3603006.9  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02I VOLUME 500152.6 3603013.4  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02J VOLUME 500132.2 3603021.6  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02K VOLUME 500112.1 3603030.5  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02L VOLUME 500092 3603039.4  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02M VOLUME 500071.8 3603048.3  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02N VOLUME 500051.7 3603057.2  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02O VOLUME 500031.6 3603066.1  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02P VOLUME 500011.5 3603075  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02Q VOLUME 499991.4 3603083.9  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02R VOLUME 499971.2 3603092.8  
\*\* SRCDESCR 905HeritagetoCaliente  
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\*\* SRCDESCR 905HeritagetoCaliente  
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\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02V VOLUME 499890.8 3603128.4  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02W VOLUME 499870.7 3603137.3  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02X VOLUME 499850.5 3603146.2  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02Y VOLUME 499830.4 3603155.1  
\*\* SRCDESCR 905HeritagetoCaliente  
SO LOCATION EHIRX02Z VOLUME 499810.3 3603164

# Attachment C

output.txt

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SO LOCATION EHIRX030 VOLUME 499790.1 3603172.8
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** SRCDESCR 905HeritagetoCaliente
SO LOCATION EHIRX032 VOLUME 499749.9 3603190.5
** SRCDESCR 905HeritagetoCaliente
SO LOCATION EHIRX033 VOLUME 499729.7 3603199.4
** SRCDESCR 905HeritagetoCaliente
SO LOCATION EHIRX034 VOLUME 499708.5 3603205.2
** SRCDESCR 905HeritagetoCaliente
SO LOCATION EHIRX035 VOLUME 499687.2 3603210.6
** SRCDESCR 905HeritagetoCaliente
SO LOCATION EHIRX036 VOLUME 499665.9 3603216
** SRCDESCR 905HeritagetoCaliente
SO LOCATION EHIRX037 VOLUME 499644.6 3603221.4
** SRCDESCR 905HeritagetoCaliente
SO LOCATION EHIRX038 VOLUME 499622.8 3603223.9
** SRCDESCR 905HeritagetoCaliente
SO LOCATION EHIRX039 VOLUME 499600.8 3603225.5
** SRCDESCR 905HeritagetoCaliente
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** SRCDESCR 905HeritagetoCaliente
SO LOCATION EHIRX03B VOLUME 499556.9 3603228.7
** SRCDESCR 905HeritagetoCaliente
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** SRCDESCR 905HeritagetoCaliente
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** SRCDESCR 905HeritagetoCaliente
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX03I VOLUME 501859.8 3602985.8
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX03J VOLUME 501837.8 3602986.1
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX03K VOLUME 501815.8 3602986.3
** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX03M VOLUME 501771.8 3602986.8
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX03O VOLUME 501727.8 3602987.2
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX03P VOLUME 501705.8 3602987.5
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX03Q VOLUME 501683.8 3602987.7
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX03R VOLUME 501661.8 3602987.9
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX03U VOLUME 501596.2 3602994.8
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX03V VOLUME 501574.3 3602997.2
** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
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# Attachment C

output.txt

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** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX042 VOLUME 501421.4 3603015.5
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX043 VOLUME 501399.6 3603018.2
** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX045 VOLUME 501355.9 3603023.6
** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX047 VOLUME 501312.3 3603029
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX048 VOLUME 501290.4 3603031.7
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX049 VOLUME 501268.6 3603034.4
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04A VOLUME 501246.8 3603037.2
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04B VOLUME 501224.9 3603039.5
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04C VOLUME 501203 3603041.2
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04D VOLUME 501181 3603042.9
** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04F VOLUME 501137.1 3603046.2
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04G VOLUME 501115.2 3603047.9
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04H VOLUME 501093.3 3603049.6
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04I VOLUME 501071.3 3603049.4
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04J VOLUME 501049.3 3603049.2
** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04L VOLUME 501005.3 3603048.7
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04M VOLUME 500983.3 3603048.5
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04N VOLUME 500961.3 3603048.3
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04O VOLUME 500939.3 3603048.1
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04P VOLUME 500917.3 3603047.9
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04Q VOLUME 500895.3 3603047.7
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04R VOLUME 500873.3 3603047.5
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04S VOLUME 500851.3 3603047.2
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04T VOLUME 500829.5 3603044.3
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04U VOLUME 500807.9 3603040.6
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX04V VOLUME 500786.2 3603036.8
** SRCDESCR 905HeritageToBritannia
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# Attachment C

output.txt

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SO LOCATION EHIRX04X VOLUME 500742.8 3603029.4
** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX050 VOLUME 500677.8 3603018.2
** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX052 VOLUME 500634.5 3603010
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX053 VOLUME 500613 3603005.7
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX054 VOLUME 500591.4 3603001.3
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX055 VOLUME 500569.8 3602997
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX056 VOLUME 500548.3 3602992.6
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX057 VOLUME 500526.7 3602988.3
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX058 VOLUME 500505.1 3602983.9
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX059 VOLUME 500483.6 3602979.6
** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX05B VOLUME 500440.2 3602973.6
** SRCDESCR 905HeritageToBritannia
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** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX05E VOLUME 500374.2 3602975.6
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX05F VOLUME 500352.3 3602976.3
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX05G VOLUME 500330.3 3602977
** SRCDESCR 905HeritageToBritannia
SO LOCATION EHIRX05H VOLUME 500308.3 3602977.7
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** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX05L VOLUME 500299.8 3603239.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX05M VOLUME 500299.7 3603229.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX05N VOLUME 500299.6 3603219.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX05O VOLUME 500299.5 3603209.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
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** SRCDESCR HeritageCaminoMaquiladoraToGateway
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** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX05V VOLUME 500298.8 3603139.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
```

# Attachment C

output.txt

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** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX05X VOLUME 500298.6 3603119.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX05Y VOLUME 500298.5 3603109.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX05Z VOLUME 500298.4 3603099.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX060 VOLUME 500298.3 3603089.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX061 VOLUME 500298.2 3603079.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX062 VOLUME 500298.1 3603069.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX063 VOLUME 500298 3603059.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX064 VOLUME 500297.9 3603049.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX065 VOLUME 500297.8 3603039.9
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** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX069 VOLUME 500297.3 3602999.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
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** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06B VOLUME 500297.1 3602979.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06C VOLUME 500296.9 3602969.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06D VOLUME 500296.6 3602959.9
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SO LOCATION EHIRX06E VOLUME 500296.3 3602949.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06F VOLUME 500296 3602939.9
** SRCDESCR HeritageCaminoMaquiladoraToGateway
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** SRCDESCR HeritageCaminoMaquiladoraToGateway
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** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06J VOLUME 500294.8 3602900
** SRCDESCR HeritageCaminoMaquiladoraToGateway
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** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06L VOLUME 500294.2 3602880
** SRCDESCR HeritageCaminoMaquiladoraToGateway
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** SRCDESCR HeritageCaminoMaquiladoraToGateway
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** SRCDESCR HeritageCaminoMaquiladoraToGateway
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** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06P VOLUME 500293 3602840
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06Q VOLUME 500292.7 3602830
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06R VOLUME 500292.4 3602820
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06S VOLUME 500292.1 3602810
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06T VOLUME 500291.8 3602800
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# Attachment C

output.txt

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** SRCDESCR HeritageCaminoMaquiladoraToGateway
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** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06V VOLUME 500291.2 3602780
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06W VOLUME 500290.9 3602770
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06X VOLUME 500290.6 3602760
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06Y VOLUME 500290.3 3602750
** SRCDESCR HeritageCaminoMaquiladoraToGateway
SO LOCATION EHIRX06Z VOLUME 500290 3602740
** SRCDESCR HeritageCaminoMaquiladoraToGateway
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** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX073 VOLUME 500279.4 3602333.4
** SRCDESCR Heritage Gateway to Southern Term
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** SRCDESCR Heritage Gateway to Southern Term
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** SRCDESCR Heritage Gateway to Southern Term
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** SRCDESCR Heritage Gateway to Southern Term
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** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07C VOLUME 500280.4 3602378.4
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07D VOLUME 500280.5 3602383.4
** SRCDESCR Heritage Gateway to Southern Term
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** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07I VOLUME 500281.1 3602408.4
** SRCDESCR Heritage Gateway to Southern Term
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** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07K VOLUME 500281.3 3602418.4
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07L VOLUME 500281.4 3602423.4
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** SRCDESCR Heritage Gateway to Southern Term
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SO LOCATION EHIRX07O VOLUME 500281.8 3602438.4
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07P VOLUME 500281.9 3602443.4
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07Q VOLUME 500282 3602448.4
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07R VOLUME 500282.1 3602453.4
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07S VOLUME 500282.2 3602458.4
** SRCDESCR Heritage Gateway to Southern Term
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# Attachment C

output.txt

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** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07U VOLUME 500282.5 3602468.4
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07V VOLUME 500282.6 3602473.4
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07W VOLUME 500282.7 3602478.4
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07X VOLUME 500282.8 3602483.4
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07Y VOLUME 500282.9 3602488.4
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX07Z VOLUME 500283 3602493.4
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SO LOCATION EHIRX080 VOLUME 500283.2 3602498.4
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SO LOCATION EHIRX085 VOLUME 500283.7 3602523.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX086 VOLUME 500283.9 3602528.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX087 VOLUME 500284 3602533.3
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SO LOCATION EHIRX088 VOLUME 500284.1 3602538.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX089 VOLUME 500284.2 3602543.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08A VOLUME 500284.3 3602548.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08B VOLUME 500284.4 3602553.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08C VOLUME 500284.5 3602558.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08D VOLUME 500284.7 3602563.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08E VOLUME 500284.8 3602568.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08F VOLUME 500284.9 3602573.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08G VOLUME 500285 3602578.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08H VOLUME 500285.1 3602583.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08I VOLUME 500285.2 3602588.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08J VOLUME 500285.3 3602593.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08K VOLUME 500285.5 3602598.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08L VOLUME 500285.6 3602603.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08M VOLUME 500285.7 3602608.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08N VOLUME 500285.8 3602613.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08O VOLUME 500285.9 3602618.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08P VOLUME 500286 3602623.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08Q VOLUME 500286.1 3602628.3
```

# Attachment C

output.txt

```
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08R VOLUME 500286.3 3602633.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08S VOLUME 500286.4 3602638.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08T VOLUME 500286.5 3602643.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08U VOLUME 500286.6 3602648.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08V VOLUME 500286.7 3602653.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08W VOLUME 500286.8 3602658.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08X VOLUME 500287 3602663.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08Y VOLUME 500287.1 3602668.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX08Z VOLUME 500287.2 3602673.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX090 VOLUME 500287.3 3602678.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX091 VOLUME 500287.4 3602683.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX092 VOLUME 500287.5 3602688.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX093 VOLUME 500287.6 3602693.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX094 VOLUME 500287.8 3602698.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX095 VOLUME 500287.9 3602703.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX096 VOLUME 500288 3602708.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX097 VOLUME 500288.1 3602713.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX098 VOLUME 500288.2 3602718.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX099 VOLUME 500288.3 3602723.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX09A VOLUME 500288.4 3602728.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX09B VOLUME 500288.6 3602733.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX09C VOLUME 500288.7 3602738.3
** SRCDESCR Heritage Gateway to Southern Term
SO LOCATION EHIRX09F VOLUME 500281.9 3602457.9
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09G VOLUME 500291.9 3602457.2
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09H VOLUME 500301.8 3602456.5
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09I VOLUME 500311.8 3602455.8
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09J VOLUME 500321.8 3602455
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09K VOLUME 500331.8 3602454.3
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09L VOLUME 500341.7 3602453.6
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09M VOLUME 500351.7 3602452.9
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09N VOLUME 500361.7 3602452.2
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09O VOLUME 500371.7 3602451.4
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09P VOLUME 500381.6 3602450.7
** SRCDESCR Airway Heritage to Cactus
```

## Attachment C

output.txt

```
SO LOCATION EHIRX09Q VOLUME 500391.6 3602450
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09R VOLUME 500401.4 3602452
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09S VOLUME 500411.2 3602453.9
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09T VOLUME 500421 3602455.9
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09U VOLUME 500430.8 3602457.9
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09V VOLUME 500440.6 3602459.8
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09W VOLUME 500450.4 3602461.8
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09X VOLUME 500460.2 3602463.7
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09Y VOLUME 500470 3602465.7
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX09Z VOLUME 500479.9 3602467.6
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0A0 VOLUME 500489.7 3602469.6
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0A1 VOLUME 500499.5 3602471.6
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0A2 VOLUME 500509.3 3602473.5
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0A3 VOLUME 500519.1 3602475.5
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0A4 VOLUME 500528.9 3602477.4
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0A5 VOLUME 500538.7 3602479.4
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0A6 VOLUME 500547.7 3602483.6
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0A7 VOLUME 500556.7 3602488
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0A8 VOLUME 500565.7 3602492.3
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0A9 VOLUME 500574.8 3602496.7
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AA VOLUME 500583.8 3602501
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AB VOLUME 500592.8 3602505.4
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AC VOLUME 500601.8 3602509.7
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AD VOLUME 500610.8 3602514.1
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AE VOLUME 500619.8 3602518.4
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AF VOLUME 500628.8 3602522.8
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AG VOLUME 500637.8 3602527.1
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AH VOLUME 500646.8 3602531.5
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AI VOLUME 500655.8 3602535.8
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AJ VOLUME 500664.8 3602540.2
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AK VOLUME 500673.8 3602544.5
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AL VOLUME 500682.9 3602548.7
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AM VOLUME 500692.3 3602552.1
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AN VOLUME 500701.7 3602555.5
```

# Attachment C

output.txt

```
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AO VOLUME 500711.1 3602558.9
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AP VOLUME 500720.5 3602562.3
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AQ VOLUME 500729.9 3602565.7
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AR VOLUME 500739.3 3602569.1
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AS VOLUME 500748.7 3602572.5
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AT VOLUME 500758.1 3602575.9
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AU VOLUME 500767.5 3602579.3
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AV VOLUME 500776.9 3602582.7
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AW VOLUME 500786.8 3602583.4
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AX VOLUME 500796.8 3602583.3
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AY VOLUME 500806.8 3602583.2
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0AZ VOLUME 500816.8 3602583.1
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0B0 VOLUME 500826.8 3602583
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0B1 VOLUME 500836.8 3602582.8
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0B2 VOLUME 500846.8 3602582.7
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0B3 VOLUME 500856.8 3602582.6
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0B4 VOLUME 500866.8 3602582.5
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0B5 VOLUME 500876.8 3602582.4
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0B6 VOLUME 500886.8 3602582.3
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0B7 VOLUME 500896.8 3602582.1
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0B8 VOLUME 500906.8 3602582
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0B9 VOLUME 500916.8 3602581.9
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BA VOLUME 500926.8 3602581.8
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BB VOLUME 500936.8 3602581.7
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BC VOLUME 500946.8 3602581.6
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BD VOLUME 500956.8 3602581.5
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BE VOLUME 500966.8 3602581.3
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BF VOLUME 500976.8 3602581.2
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BG VOLUME 500986.8 3602581.1
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BH VOLUME 500996.8 3602581
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BI VOLUME 501006.8 3602580.9
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BJ VOLUME 501016.8 3602580.8
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BK VOLUME 501026.8 3602580.7
** SRCDESCR Airway Heritage to Cactus
```

## Attachment C

output.txt

```
SO LOCATION EHIRX0BL VOLUME 501036.8 3602580.5
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BM VOLUME 501046.8 3602580.4
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BN VOLUME 501056.8 3602580.3
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0B0 VOLUME 501066.8 3602580.2
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BP VOLUME 501076.8 3602580.1
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BQ VOLUME 501086.8 3602580
** SRCDESCR Airway Heritage to Cactus
SO LOCATION EHIRX0BT VOLUME 501890.6 3602577.6
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0BU VOLUME 501880.6 3602577.6
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0BV VOLUME 501870.6 3602577.7
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0BW VOLUME 501860.6 3602577.7
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0BX VOLUME 501850.6 3602577.7
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0BY VOLUME 501840.6 3602577.8
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0BZ VOLUME 501830.6 3602577.8
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0C0 VOLUME 501820.6 3602577.8
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0C1 VOLUME 501810.6 3602577.8
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0C2 VOLUME 501800.6 3602577.9
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0C3 VOLUME 501790.6 3602577.9
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0C4 VOLUME 501780.6 3602577.9
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0C5 VOLUME 501770.6 3602578
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0C6 VOLUME 501760.6 3602578
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0C7 VOLUME 501750.6 3602578
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0C8 VOLUME 501740.6 3602578
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0C9 VOLUME 501730.6 3602578.1
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CA VOLUME 501720.6 3602578.1
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CB VOLUME 501710.6 3602578.1
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CC VOLUME 501700.6 3602578.2
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CD VOLUME 501690.6 3602578.2
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CE VOLUME 501680.6 3602578.2
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CF VOLUME 501670.6 3602578.2
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CG VOLUME 501660.6 3602578.3
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CH VOLUME 501650.6 3602578.3
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CI VOLUME 501640.6 3602578.3
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CJ VOLUME 501630.6 3602578.4
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CK VOLUME 501620.6 3602578.4
```

# Attachment C

output.txt

```
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CL VOLUME 501610.6 3602578.4
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CM VOLUME 501600.6 3602578.4
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CN VOLUME 501590.6 3602578.5
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CO VOLUME 501580.6 3602578.5
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CP VOLUME 501570.6 3602578.5
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CQ VOLUME 501560.6 3602578.6
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CR VOLUME 501550.6 3602578.6
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CS VOLUME 501540.6 3602578.6
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CT VOLUME 501530.6 3602578.6
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CU VOLUME 501520.6 3602578.7
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CV VOLUME 501510.6 3602578.7
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CW VOLUME 501500.6 3602578.7
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CX VOLUME 501490.6 3602578.8
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CY VOLUME 501480.6 3602578.8
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0CZ VOLUME 501470.6 3602578.8
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0D0 VOLUME 501460.6 3602578.8
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0D1 VOLUME 501450.6 3602578.9
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0D2 VOLUME 501440.6 3602578.9
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0D3 VOLUME 501430.6 3602578.9
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0D4 VOLUME 501420.6 3602579
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0D5 VOLUME 501410.6 3602579
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0D6 VOLUME 501400.6 3602579
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0D7 VOLUME 501390.6 3602579
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0D8 VOLUME 501380.6 3602579.1
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0D9 VOLUME 501370.6 3602579.1
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DA VOLUME 501360.6 3602579.1
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DB VOLUME 501350.6 3602579.2
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DC VOLUME 501340.6 3602579.2
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DD VOLUME 501330.6 3602579.2
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DE VOLUME 501320.6 3602579.2
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DF VOLUME 501310.6 3602579.3
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DG VOLUME 501300.6 3602579.3
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DH VOLUME 501290.6 3602579.3
** SRCDESCR Airway Cactus to Britanna
```

## Attachment C

output.txt

```
SO LOCATION EHIRX0DI VOLUME 501280.6 3602579.4
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DJ VOLUME 501270.6 3602579.4
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DK VOLUME 501260.6 3602579.4
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DL VOLUME 501250.6 3602579.4
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DM VOLUME 501240.6 3602579.5
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DN VOLUME 501230.6 3602579.5
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DO VOLUME 501220.6 3602579.5
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DP VOLUME 501210.6 3602579.6
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DQ VOLUME 501200.6 3602579.6
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DR VOLUME 501190.6 3602579.6
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DS VOLUME 501180.6 3602579.6
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DT VOLUME 501170.6 3602579.7
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DU VOLUME 501160.6 3602579.7
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DV VOLUME 501150.6 3602579.7
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DW VOLUME 501140.6 3602579.8
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DX VOLUME 501130.6 3602579.8
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DY VOLUME 501120.6 3602579.8
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0DZ VOLUME 501110.6 3602579.8
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0E0 VOLUME 501100.6 3602579.9
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0E1 VOLUME 501090.6 3602579.9
** SRCDESCR Airway Cactus to Britanna
SO LOCATION EHIRX0E4 VOLUME 500277.8 3602459.6
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0E5 VOLUME 500267.8 3602460.1
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0E6 VOLUME 500257.8 3602460.6
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0E7 VOLUME 500247.8 3602461
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0E8 VOLUME 500237.8 3602461.5
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0E9 VOLUME 500227.9 3602461.9
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EA VOLUME 500217.9 3602462.4
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EB VOLUME 500207.9 3602462.9
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EC VOLUME 500197.9 3602463.3
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0ED VOLUME 500187.9 3602463.8
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EE VOLUME 500177.9 3602464.2
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EF VOLUME 500167.9 3602464.7
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EG VOLUME 500157.9 3602465.2
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EH VOLUME 500148 3602466.3
```



# Attachment C

output.txt

```
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EI VOLUME 500138.1 3602467.7
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EJ VOLUME 500128.2 3602469.1
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EK VOLUME 500118.3 3602470.5
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EL VOLUME 500108.4 3602471.8
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EM VOLUME 500098.5 3602473.2
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EN VOLUME 500088.6 3602474.6
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EO VOLUME 500078.7 3602476
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EP VOLUME 500068.8 3602477.6
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EQ VOLUME 500059.3 3602480.6
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0ER VOLUME 500049.7 3602483.5
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0ES VOLUME 500040.2 3602486.5
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0ET VOLUME 500030.6 3602489.4
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EU VOLUME 500021.1 3602492.4
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EV VOLUME 500011.5 3602495.3
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EW VOLUME 500002 3602498.3
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EX VOLUME 499992.4 3602501.2
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EY VOLUME 499982.8 3602504.2
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0EZ VOLUME 499973.3 3602507.1
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0F0 VOLUME 499963.7 3602510.1
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0F1 VOLUME 499954.2 3602513.1
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0F2 VOLUME 499944.6 3602516
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0F3 VOLUME 499935.2 3602519.3
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0F4 VOLUME 499926.5 3602524.1
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0F5 VOLUME 499917.7 3602529
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0F6 VOLUME 499909 3602533.8
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0F7 VOLUME 499900.2 3602538.7
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0F8 VOLUME 499891.5 3602543.5
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0F9 VOLUME 499882.7 3602548.3
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0FA VOLUME 499874 3602553.2
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0FB VOLUME 499865.2 3602558
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0FC VOLUME 499856.5 3602562.9
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0FD VOLUME 499847.7 3602567.7
** SRCDESCR Airway Caliente to Heritage
SO LOCATION EHIRX0FE VOLUME 499839 3602572.6
** SRCDESCR Airway Caliente to Heritage
```

# Attachment C

output.txt

```

SO LOCATION  EHIRX0FF  VOLUME  499830.2  3602577.4
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FG  VOLUME  499821.5  3602582.3
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FH  VOLUME  499812.7  3602587.1
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FI  VOLUME  499804    3602592
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FJ  VOLUME  499795.2  3602596.8
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FK  VOLUME  499786.5  3602601.6
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FL  VOLUME  499777.8  3602606.5
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FM  VOLUME  499769    3602611.3
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FN  VOLUME  499760.3  3602616.2
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FO  VOLUME  499751.5  3602621
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FP  VOLUME  499742.8  3602625.9
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FQ  VOLUME  499734    3602630.7
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FR  VOLUME  499725.3  3602635.6
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FS  VOLUME  499716.5  3602640.4
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FT  VOLUME  499707.8  3602645.3
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FU  VOLUME  499699    3602650.1
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FV  VOLUME  499690.3  3602655
** SRCDESCR  Airway Caliente to Heritage
SO LOCATION  EHIRX0FW  VOLUME  499681.5  3602659.8
** SRCDESCR  Airway Caliente to Heritage
SO FINISHED

```

```

RE STARTING
RE ELEVUNIT  METERS
RE GRIDCART  L4EGZ004 STA
RE GRIDCART  L4EGZ004 XYINC 499640.6  6  525  3603630.4  6  -450
RE GRIDCART  L4EGZ004 FLAG  1  1.5  1.5  1.5  1.5  1.5  1.5
RE GRIDCART  L4EGZ004 FLAG  2  1.5  1.5  1.5  1.5  1.5  1.5
RE GRIDCART  L4EGZ004 FLAG  3  1.5  1.5  1.5  1.5  1.5  1.5
RE GRIDCART  L4EGZ004 FLAG  4  1.5  1.5  1.5  1.5  1.5  1.5
RE GRIDCART  L4EGZ004 FLAG  5  1.5  1.5  1.5  1.5  1.5  1.5
RE GRIDCART  L4EGZ004 FLAG  6  1.5  1.5  1.5  1.5  1.5  1.5
RE GRIDCART  L4EGZ004 END
RE DISCCART  501136  3602621.4  155.12  1.5
** SENSITIV
** RCPDESCR  PA 24 REC3
RE DISCCART  501472.8  3602628.6  156  1.5
** SENSITIV
** RCPDESCR  PA 27 REC4
RE DISCCART  500931.8  3602786.8  152.36  1.5
** SENSITIV
** RCPDESCR  PA16 REC5
RE DISCCART  501037  3602470.3  156.75  1.5
** SENSITIV
** RCPDESCR  PA22 REC6
RE DISCCART  501050.2  3602347.9  155.67  1.5
** SENSITIV
** RCPDESCR  PA17 REC7
RE DISCCART  500735.9  3602266.2  151.17  1.5
** SENSITIV
** RCPDESCR  PA13 SC REC8

```

# Attachment C

output.txt

```
RE DISCCART 501042.1 3602138.6 153.32 1.5
** SENSITIV
** RCPDESCR PA21 REC9
RE DISCCART 500399 3602416.2 150.82 1.5
** SENSITIV
** RCPDESCR PA4 REC10
RE DISCCART 500647.1 3602490.8 152.47 1.5
** SENSITIV
** RCPDESCR PA14 REC11
RE DISCCART 501297.2 3602778.6 155.14 1.5
** SENSITIV
** RCPDESCR PA28 REC13
RE DISCCART 501150.9 3602953.1 152.13 1.5
** SENSITIV
** RCPDESCR PA25 REC1
RE DISCCART 501455.3 3602918 154.65 1.5
** SENSITIV
** RCPDESCR PA26 Rec2
RE DISCCART 500121 3602426.4 151.81 1.5
** SENSITIV
** RCPDESCR PA1 REC12
RE DISCCART 500220.8 3602415.8 147.23 1.5
** SENSITIV
** RCPDESCR PA3 REC13
RE FINISHED
```

```
OU STARTING
OU RECEPTOR AERMAP.APR
OU SOURCLOC AERMAP.APS
OU FINISHED
```

Exiting NEDCHK

Finished Reading Input NED Data

```
Exiting CHKADJ
Exiting RECCNV
Exiting SRCNV
Exiting DEMREC
Exiting DEMSRC
```

```
▲ *** AERMAP - VERSION 11103 *** *** NO TITLE SPECIFIED ***
06/20/16
```

\*\*\*

\*\*\*

\*\*\*

08:52:55

\*\*\* Message Summary For AERMAP Setup \*\*\*

----- Summary of Total Messages -----

```
A Total of 0 Fatal Error Message(s)
A Total of 16 Warning Message(s)
A Total of 0 Informational Message(s)
```

```
***** FATAL ERROR MESSAGES *****
*** NONE ***
```

```
***** WARNING MESSAGES *****
```

```
RE W229 985 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 988 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 991 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 994 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 997 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1000 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1003 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
```

Attachment C

output.txt

```

RE W229 1006 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1009 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1012 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1015 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1018 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1021 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1024 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
OU W450 1032 NEDCHK:Parameter not found in TIFF file. TiffTag: 274
OU W473 1032 NEDCHK:Default elevation units of METERS used; NED file: 1

```

```

*****
*** SETUP Finishes Successfully ***
*****

```

```

^ *** AERMAP - VERSION 11103 *** *** NO TITLE SPECIFIED ***
06/20/16 *** ***
08:52:55

```

```

*** AERMAP SETUP OPTIONS SUMMARY ***

```

```

-----
**This Run Includes:      1 NED File(s)
**This Run Includes:      50 Receptor(s); and      477 Source(s)
**The Input Receptors and Sources Were Assigned a NADA Value of 3: World Geodetic System of 1984
**The Input Receptors and Sources Are Offset:      0.00 meters East;      0.00 meters North
from the User-specified Anchor Point at:      0.00 meters East;      0.00 meters North; Zone 11
**Terrain heights were EXTRACTed from NED data

```

\*\*The Following Debug Output Files Have Been Automatically Generated:

- DOMDETAIL.OUT - Details of User-specified Domain and Relation to NED Files
- MAPDETAIL.OUT - Details Regarding Input NED Files
- MAPPARAMS.OUT - Summary of NED File Parameters and NED File Adjacency

```

^ *** AERMAP - VERSION 11103 *** *** NO TITLE SPECIFIED ***
06/20/16 *** ***
08:52:55

```

\*\*\* Message Summary For AERMAP Execution \*\*\*

```

----- Summary of Total Messages -----
A Total of      0 Fatal Error Message(s)
A Total of     16 Warning Message(s)
A Total of      0 Informational Message(s)

```

```

***** FATAL ERROR MESSAGES *****
*** NONE ***

```

```

***** WARNING MESSAGES *****
RE W229 985 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 988 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 991 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 994 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 997 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1000 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1003 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART

```

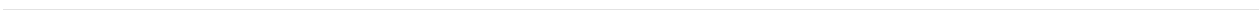
# Attachment C

```
output.txt
RE W229 1006 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1009 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1012 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1015 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1018 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1021 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
RE W229 1024 DISCAR:Too Many Parameters - Inputs Ignored on Keyword DISCCART
OU W450 1032 NEDCHK:Parameter not found in TIFF file. TiffTag: 274
OU W473 1032 NEDCHK:Default elevation units of METERS used; NED file: 1
```

```
*****
*** AERMAP Finishes Successfully ***
*****
```

**ATTACHMENT D**

AERMOD EMISSION INPUTS



# Attachment D

## FREEWAY

EMFAC BURDEN Used of SR 905 (2020)											
Caliente to Heritage											
EMFAC BURDEN RESULTS DIESEL (City Wide)	VMT/1000 (City Wide)	PM10 Tons/Day (City Wide)	PM10 Grams/Day (City Wide)	VMT (City Wide)	PM10 (Grams/Vehicle Mile Traveled)	VMT (Normalization Per Vehicle Type)	ADT per Vehicle Type within Modeled Section	Miles Traveled Within Modeled Section	VMT within modeled Section per Day	Grams per Day within Modeled Section	Grams per Second within Modeled Section
PC	204	0	0	204000	0	0.0023	381.7	0.530	202.3	0.00000	<b>0.00000</b>
LDT DSL ONLY	16	0	0	16000	0	0.0002	29.9	0.530	15.9	0.00000	<b>0.00000</b>
MDT DSL ONLY	1426	0.06	54431.1	1426000	0.038	0.0163	2668.1	0.530	1,414.1	53.97681	<b>0.00062</b>
HDT DSL ONLY	43	0.01	9071.85	43000	0.211	0.0005	80.5	0.530	42.6	8.99613	<b>0.00010</b>
Total Vehicles (All Types All Vehicles City Wide)	87705	0.35	317514.75	87705000	0.003620258	1.0000	164100.0	0.530	86,973.0	314.864721	0.003644268
<b>Diesel Grams / Second for AERMOD modeled section</b>			<b>0.00073</b>	<b>g/s</b>							
EMFAC BURDEN Used of SR 905 (2020)											
Heritage to Britania											
EMFAC BURDEN RESULTS DIESEL (City Wide)	VMT/1000 (City Wide)	PM10 Tons/Day (City Wide)	PM10 Grams/Day (City Wide)	VMT (City Wide)	PM10 (Grams/Vehicle Mile Traveled)	VMT (Normalization Per Vehicle Type)	ADT per Vehicle Type within Modeled Section	Miles Traveled Within Modeled Section	VMT within modeled Section per Day	Grams per Day within Modeled Section	Grams per Second within Modeled Section
PC	204	0	0	204000	0	0.0023	364.0	1.010	367.7	0.00000	<b>0.00000</b>
LDT DSL ONLY	16	0	0	16000	0	0.0002	28.6	1.010	28.8	0.00000	<b>0.00000</b>
MDT DSL ONLY	1426	0.06	54431.1	1426000	0.038	0.0163	2544.5	1.010	2,570.0	98.09762	<b>0.00114</b>
HDT DSL ONLY	43	0.01	9071.85	43000	0.211	0.0005	76.7	1.010	77.5	16.34960	<b>0.00019</b>
Total Vehicles (All Types All Vehicles City Wide)	87705	0.35	317514.75	87705000	0.003620258	1.0000	156500.0	1.010	158,065.0	572.2361206	0.006623103
<b>Diesel Grams / Second for AERMOD modeled section</b>			<b>0.00132</b>	<b>g/s</b>							
EMFAC BURDEN Used of SR 905 (2020)											
Britannia to La Media Road											
EMFAC BURDEN RESULTS DIESEL (City Wide)	VMT/1000 (City Wide)	PM10 Tons/Day (City Wide)	PM10 Grams/Day (City Wide)	VMT (City Wide)	PM10 (Grams/Vehicle Mile Traveled)	VMT (Normalization Per Vehicle Type)	ADT per Vehicle Type within Modeled Section	Miles Traveled Within Modeled Section	VMT within modeled Section per Day	Grams per Day within Modeled Section	Grams per Second within Modeled Section
PC	204	0	0	204000	0	0.0023	310.5	0.350	108.7	0.00000	<b>0.00000</b>
LDT DSL ONLY	16	0	0	16000	0	0.0002	24.4	0.350	8.5	0.00000	<b>0.00000</b>
MDT DSL ONLY	1426	0.06	54431.1	1426000	0.038	0.0163	2170.6	0.350	759.7	28.99827	<b>0.00034</b>
HDT DSL ONLY	43	0.01	9071.85	43000	0.211	0.0005	65.5	0.350	22.9	4.83304	<b>0.00006</b>
Total Vehicles (All Types All Vehicles City Wide)	87705	0.35	317514.75	87705000	0.003620258	1.0000	133500.0	0.350	46,725.0	169.1565668	0.001957831
<b>Diesel Grams / Second for AERMOD modeled section</b>			<b>0.00039</b>	<b>g/s</b>							

# Attachment D

## Roadways

EMFAC Area Fleet Averages for Roadways ( San Diego 2020)		g/mile		Heritage Road		Camino Maquiladora to Gateway			
EMFAC BURDEN RESULTS DIESEL (City Wide)	Grams/Mile (30MPH)	% Vehicles	Segment Vehicle ADT	% Diesel Only from BURDEN	Diesel Vehicles	Miles Traveled Within Modeled Section	Diesel Miles per Day	Grams per Day (30 MPH)	Grams/Second (30 MPH)
Non Diesel Vehicles	0	0.40%	11.2	0%	0	0.320	0	0	
LDA	0.002	69%	1932	0.47%	9	0.320	2.88	0.00576	0.0000007
LDT	0.002	19.40%	543.2	0.07%	1	0.320	0.32	0.00064	0.0000001
MDT	0.005	6.40%	179.2	8.67%	16	0.320	5.12	0.0256	0.0000030
HDT	0.010	4.80%	134.4	11.47%	16	0.320	5.12	0.0512	0.0000059
<b>Total</b>		<b>100%</b>	<b>2800</b>		<b>42</b>	<b>0.320</b>	<b>13.44</b>	<b>0.0832</b>	<b>0.0000096</b>
EMFAC Area Fleet Averages for Roadways ( San Diego 2020)		g/mile		Heritage Road		Gateway to southern terminus			
EMFAC BURDEN RESULTS DIESEL (City Wide)	Grams/Mile (30MPH)	% Vehicles	Segment Vehicle ADT	% Diesel Only from BURDEN	Diesel Vehicles	Miles Traveled Within Modeled Section	Diesel Miles per Day	Grams per Day (30 MPH)	Grams/Second (30 MPH)
Non Diesel Vehicles	0	0.40%	0.004	0%	0	0.260	0	0	
LDA (Assumed Diesel)	0.002	69%	0.69	0.47%	1	0.260	0.26	0.00052	0.0000001
LDT (Assumed Diesel)	0.002	19.40%	0.194	0.07%	1	0.260	0.26	0.00052	0.0000001
MDT (Assumed Diesel)	0.005	6.40%	0.064	8.67%	1	0.260	0.26	0.0013	0.0000002
HDT (Assumed Diesel)	0.010	4.80%	0.048	11.47%	1	0.260	0.26	0.0026	0.0000003
<b>Total</b>		<b>100%</b>	<b>1</b>		<b>4</b>	<b>0.260</b>	<b>1.04</b>	<b>0.00494</b>	<b>0.0000006</b>
EMFAC Area Fleet Averages for Roadways ( San Diego 2020)		g/mile		Airway		Heritage and Cactus			
EMFAC BURDEN RESULTS DIESEL (City Wide)	Grams/Mile (30MPH)	% Vehicles	Segment Vehicle ADT	% Diesel Only from BURDEN	Diesel Vehicles	Miles Traveled Within Modeled Section	Diesel Miles per Day	Grams per Day (30 MPH)	Grams/Second (30 MPH)
Non Diesel Vehicles	0	0.40%	0.476	0%	0	1.010	0	0	
LDA (Assumed Diesel)	0.002	69%	82.11	0.47%	1	1.010	1.01	0.00202	0.0000002
LDT (Assumed Diesel)	0.002	19.40%	23.086	0.07%	1	1.010	1.01	0.00202	0.0000002
MDT (Assumed Diesel)	0.005	6.40%	7.616	8.67%	1	1.010	1.01	0.00505	0.0000006
HDT (Assumed Diesel)	0.010	4.80%	5.712	11.47%	1	1.010	1.01	0.0101	0.0000012
<b>Total</b>		<b>100%</b>	<b>119</b>		<b>4</b>	<b>1.010</b>	<b>4.04</b>	<b>0.01919</b>	<b>0.0000022</b>
EMFAC Area Fleet Averages for Roadways ( San Diego 2020)		g/mile		Airway		Cactus to Britannia			
EMFAC BURDEN RESULTS DIESEL (City Wide)	Grams/Mile (30MPH)	% Vehicles	Segment Vehicle ADT	% Diesel Only from BURDEN	Diesel Vehicles	Miles Traveled Within Modeled Section	Diesel Miles per Day	Grams per Day (30 MPH)	Grams/Second (30 MPH)
Non Diesel Vehicles	0	0.40%	1.568	0%	0	0.500	0	0	
LDA (Assumed Diesel)	0.002	69%	270.48	0.47%	2	0.500	1	0.002	0.0000002
LDT (Assumed Diesel)	0.002	19.40%	76.048	0.07%	1	0.500	0.5	0.001	0.0000001
MDT (Assumed Diesel)	0.005	6.40%	25.088	8.67%	3	0.500	1.5	0.0075	0.0000009
HDT (Assumed Diesel)	0.010	4.80%	18.816	11.47%	3	0.500	1.5	0.015	0.0000017
<b>Total</b>		<b>100%</b>	<b>392</b>		<b>9</b>	<b>0.500</b>	<b>4.5</b>	<b>0.0255</b>	<b>0.0000030</b>
EMFAC Area Fleet Averages for Roadways ( San Diego 2020)		g/mile		Airway		Caliente to Heritage			
EMFAC BURDEN RESULTS DIESEL (City Wide)	Grams/Mile (30MPH)	% Vehicles	Segment Vehicle ADT	% Diesel Only from BURDEN	Diesel Vehicles	Miles Traveled Within Modeled Section	Diesel Miles per Day	Grams per Day (30 MPH)	Grams/Second (30 MPH)
Non Diesel Vehicles	0	0.40%	1.276	0%	0	0.520	0	0	
LDA (Assumed Diesel)	0.002	69%	220.11	0.47%	2	0.520	1.04	0.00208	0.0000002
LDT (Assumed Diesel)	0.002	19.40%	61.886	0.07%	1	0.520	0.52	0.00104	0.0000001
MDT (Assumed Diesel)	0.005	6.40%	20.416	8.67%	2	0.520	1.04	0.0052	0.0000006
HDT (Assumed Diesel)	0.010	4.80%	15.312	11.47%	2	0.520	1.04	0.0104	0.0000012
<b>Total</b>		<b>100%</b>	<b>319</b>		<b>7</b>	<b>0.520</b>	<b>3.64</b>	<b>0.01872</b>	<b>0.0000022</b>



**ATTACHMENT E**

EMFAC BURDEN MODEL 2020

# Attachment E

Emfac Burden 2020 San Diego Day.bur

Title : San Diego 2020  
 Version : Emfac2011-LDV V2.50.58.094 Sp: Trip Assign Santa Clara County  
 Run Date : 2016/06/11 22:21:32  
 Scen Year: 2020 -- All model years in the range 1976 to 2020 selected  
 Season : Annual  
 Area : San Diego County  
 I/M Stat : Enhanced Interim (2005)  
 Emissions: Tons Per Day

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- - - - H e a v y D u t y T r u c k s - - - -  
 - - - Light Duty Passenger Cars - - - - - Light Duty Trucks - - - - - Medium Duty  
 Trucks - - - - - Gasoline Trucks - - - - - Diesel Total HD Urban Motor- All  
 Diesel Non-cat Cat Diesel Total Non-cat Cat Diesel Total Non-cat Cat  
 Diesel Total Non-cat Cat Total Trucks Trucks Buses cycles Vehicles

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Vehicles	258.	1261180.	5897.	1267340.	86.	636231.	425.	636741.	355.	378701.
35971.	415027.	37.	26606.	26644.	3452.	30095.	1376.	66138.	2416710.	
VMT/1000	4.	46432.	204.	46640.	2.	24029.	16.	24046.	7.	14201.
1426.	15634.	0.	557.	558.	43.	601.	187.	596.	87705.	
Trips	983.	7970060.	36279.	8007320.	330.	3966910.	2536.	3969780.	1519.	2850760.
450171.	3302450.	313.	142817.	143130.	345.	143475.	5502.	132262.	15560800.	

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											Total Organic Gas Emissions	
Run Exh	0.01	1.85	0.01	1.87	0.00	0.99	0.00	1.00	0.07	1.18		
0.32	1.57	0.00	0.11	0.11	0.01	0.13	0.14	2.12	6.81	0.04		
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
0.00	0.04	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.05	0.01		
Start Ex	0.00	1.43	0.00	1.43	0.00	0.85	0.00	0.85	0.01	1.27		
0.00	1.28	0.00	0.14	0.15	0.00	0.15	0.00	0.33	4.04			

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Total Ex	0.01	3.28	0.01	3.30	0.00	1.84	0.00	1.85	0.08	2.49
0.33	2.89	0.01	0.27	0.27	0.01	0.28	0.14	2.45	10.91	
Diurnal	0.00	0.29	0.00	0.29	0.00	0.26	0.00	0.26	0.00	0.15
0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.81	0.53
Hot Soak	0.00	0.83	0.00	0.83	0.00	0.70	0.00	0.70	0.00	0.00
0.00	0.53	0.00	0.01	0.01	0.00	0.01	0.00	0.06	2.13	1.96
Running	0.01	1.99	0.00	2.00	0.00	2.25	0.00	2.25	0.00	0.00
0.00	1.97	0.00	0.07	0.07	0.00	0.07	0.00	0.18	6.47	0.20
Resting	0.00	0.33	0.00	0.33	0.00	0.32	0.00	0.32	0.00	0.00
0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.93	

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Total	0.03	6.72	0.01	6.76	0.01	5.36	0.00	5.37	0.08	5.33
0.33	5.74	0.01	0.35	0.36	0.01	0.37	0.14	2.87	21.24	

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											Carbon Monoxide Emissions	
Run Exh	0.15	42.14	0.03	42.31	0.09	29.21	0.00	29.30	1.36	24.97		
1.65	27.98	0.08	2.32	2.40	0.03	2.43	0.63	18.53	121.19	0.21		
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
0.04	0.24	0.00	0.09	0.09	0.00	0.09	0.00	0.00	0.33	0.11		
Start Ex	0.01	17.50	0.00	17.51	0.01	11.50	0.00	11.51	0.11	14.16		
0.00	14.26	0.02	2.43	2.46	0.00	2.46	0.03	1.50	47.28			

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Total Ex	0.16	59.64	0.03	59.83	0.10	40.71	0.00	40.82	1.47	39.34
1.69	42.49	0.11	4.84	4.95	0.03	4.98	0.66	20.03	168.80	

# Attachment E

## Emfac Burden 2020 San Diego Day.bur

Oxides of Nitrogen Emissions											
Run Exh	0.01	4.93	0.09	5.03	0.00	3.44	0.01	3.45	0.07	3.76	
4.53	8.36	0.00	0.54	0.54	0.32	0.86	2.28	0.81	20.80		
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10		
Start Ex	0.00	0.96	0.00	0.96	0.00	0.86	0.00	0.86	0.00	2.43	
0.00	2.44	0.00	0.27	0.27	0.00	0.27	0.01	0.05	4.58		
-----											
Total Ex	0.01	5.89	0.09	6.00	0.01	4.29	0.01	4.31	0.08	6.20	
4.63	10.91	0.00	0.81	0.82	0.32	1.13	2.29	0.86	25.49		

Carbon Dioxide Emissions (000)											
Run Exh	0.00	18.19	0.09	18.27	0.00	12.28	0.01	12.29	0.01	10.57	
0.82	11.39	0.00	0.42	0.42	0.06	0.48	0.45	0.11	43.00		
Idle Exh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02		
Start Ex	0.00	0.65	0.00	0.65	0.00	0.42	0.00	0.42	0.00	0.33	
0.00	0.33	0.00	0.01	0.01	0.00	0.01	0.00	0.01	1.42		
-----											
Total Ex	0.00	18.83	0.09	18.92	0.00	12.70	0.01	12.71	0.01	10.91	
0.82	11.74	0.00	0.43	0.43	0.06	0.49	0.45	0.12	44.43		

PM10 Emissions											
Run Exh	0.00	0.09	0.00	0.09	0.00	0.05	0.00	0.06	0.00	0.03	
0.06	0.10	0.00	0.00	0.00	0.01	0.01	0.04	0.00	0.29		
Idle Exh	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	0.00	0.00	0.00	0.00	0.00		
Start Ex	0.00	0.03	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.01	
0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06		
-----											
Total Ex	0.00	0.12	0.00	0.12	0.00	0.07	0.00	0.07	0.00	0.04	
0.06	0.11	0.00	0.00	0.00	0.01	0.01	0.04	0.00	0.35		
TireWear	0.00	0.41	0.00	0.41	0.00	0.21	0.00	0.21	0.00	0.13	
0.02	0.14	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.78		
BrakeWr	0.00	1.88	0.01	1.89	0.00	0.97	0.00	0.97	0.00	0.58	
0.12	0.70	0.00	0.02	0.02	0.01	0.03	0.15	0.02	3.76		
-----											
Total	0.00	2.41	0.01	2.42	0.00	1.26	0.00	1.26	0.00	0.74	
0.21	0.95	0.00	0.03	0.03	0.01	0.04	0.19	0.03	4.89		

Lead	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	0.00	0.00	0.00	0.00	0.00		
SOx	0.00	0.19	0.00	0.19	0.00	0.13	0.00	0.13	0.00	0.11	
0.01	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45		

Fuel Consumption (000 gallons)											
Gasoline	0.31	2016.32	0.00	2016.63	0.12	1359.53	0.00	1359.66	0.98	1168.81	
0.00	1169.79	0.07	46.55	46.62	0.00	46.62	2.85	16.97	4612.51		
Diesel	0.00	0.00	7.68	7.68	0.00	0.00	0.59	0.59	0.00	0.00	
74.07	74.07	0.00	0.00	0.00	5.13	5.13	38.58	0.00	126.06		

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# Attachment E

Emfac Burden 2020 EMFAC.rts

Title : San Diego 2020  
 Version : Emfac2011-LDV V2.50.58.094 Sp: Trip Assign Santa Clara County  
 Run Date : 2016/06/12 10:00:56  
 Scen Year: 2020 -- All model years in the range 1976 to 2020 selected  
 Season : Annual  
 Area : San Diego

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Year: 2020 -- Model Years 1976 to 2020 Inclusive -- Annual  
 Emfac2011-LDV Emission Factors: V2.50.58.094 Sp: Trip Assign Santa Clara County

County Average San Diego County Average

Table 1: Running Exhaust Emissions (grams/mile)

Pollutant Name: Total Organic Gases Temperature: 55F Relative Humidity: 55%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
15	0.078	0.080	0.160	0.400	1.051	3.243	0.119
30	0.035	0.037	0.075	0.163	0.526	2.244	0.059
55	0.026	0.027	0.052	0.087	0.346	3.230	0.054

Pollutant Name: Carbon Monoxide Temperature: 55F Relative Humidity: 55%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
15	1.230	1.664	2.334	6.473	4.947	19.516	1.714
30	0.943	1.263	1.650	3.134	2.202	16.651	1.281
55	0.672	0.904	1.238	2.796	1.841	30.730	1.058

Pollutant Name: Oxides of Nitrogen Temperature: 55F Relative Humidity: 55%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
15	0.137	0.182	0.575	1.342	13.273	1.212	0.271
30	0.107	0.140	0.466	1.281	9.455	1.197	0.215
55	0.099	0.132	0.548	1.400	14.136	1.374	0.235

Pollutant Name: Carbon Dioxide Temperature: 55F Relative Humidity: 55%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
15	547.573	715.625	946.872	1206.562	2274.999	189.093	670.594
30	330.542	431.625	568.750	612.545	2171.804	142.794	405.307
55	299.950	391.074	518.711	544.841	2161.541	166.023	368.674

Pollutant Name: Sulfur Dioxide Temperature: 55F Relative Humidity: 55%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
15	0.006	0.007	0.010	0.012	0.022	0.002	0.007
30	0.003	0.004	0.006	0.006	0.021	0.002	0.004
55	0.003	0.004	0.005	0.006	0.021	0.002	0.004





# Attachment E

	Emfac Burden 2020 EMFAC.rts						
20	0.105	0.190	0.746	2.498	0.765	0.295	0.287
30	0.117	0.209	0.841	3.253	0.996	0.355	0.325
40	0.127	0.225	0.917	3.837	1.175	0.402	0.357
50	0.134	0.237	0.974	4.249	1.302	0.437	0.380
60	0.140	0.246	1.013	4.489	1.375	0.460	0.395
120	0.149	0.265	1.082	4.574	1.401	0.468	0.421
180	0.158	0.280	1.103	4.557	1.396	0.465	0.433
240	0.156	0.277	1.095	4.531	1.388	0.457	0.430
300	0.155	0.274	1.082	4.497	1.378	0.447	0.425
360	0.152	0.270	1.066	4.453	1.364	0.434	0.419
420	0.149	0.264	1.045	4.401	1.348	0.420	0.410
480	0.145	0.257	1.019	4.339	1.330	0.403	0.401
540	0.141	0.249	0.989	4.269	1.308	0.384	0.389
600	0.136	0.239	0.955	4.190	1.284	0.363	0.376
660	0.130	0.229	0.916	4.102	1.257	0.340	0.361
720	0.124	0.217	0.873	4.005	1.227	0.314	0.344

Pollutant Name: Carbon Dioxide                      Temperature: 55F    Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	12.475	16.062	18.469	9.875	1.621	15.524	14.660
10	14.068	18.215	21.517	19.356	3.234	17.803	16.783
20	17.761	23.165	28.313	38.158	6.431	22.270	21.601
30	22.128	28.976	36.043	56.748	9.593	26.617	27.181
40	27.171	35.647	44.709	75.125	12.719	30.843	33.523
50	32.887	43.179	54.309	93.289	15.809	34.949	40.628
60	39.279	51.572	64.844	111.241	18.863	38.934	48.494
120	90.963	118.618	144.362	188.963	32.083	56.942	109.944
180	103.313	134.831	164.663	223.077	37.904	60.748	125.093
240	115.629	150.975	184.746	255.178	43.381	64.331	140.140
300	127.910	167.050	204.612	285.265	48.515	67.691	155.084
360	140.156	183.056	224.259	313.340	53.305	70.828	169.926
420	152.367	198.992	243.688	339.400	57.751	73.742	184.665
480	164.543	214.860	262.899	363.447	61.854	76.433	199.302
540	176.684	230.658	281.892	385.481	65.613	78.901	213.837
600	188.791	246.388	300.666	405.501	69.029	81.146	228.269
660	200.862	262.048	319.223	423.508	72.102	83.169	242.598
720	212.899	277.639	337.562	439.501	74.830	84.968	256.825

Pollutant Name: Sulfur Dioxide                      Temperature: 55F    Relative Humidity: ALL

Time min	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.001	0.000	0.000	0.000
30	0.000	0.000	0.000	0.001	0.000	0.000	0.000
40	0.000	0.000	0.001	0.002	0.000	0.001	0.000
50	0.000	0.000	0.001	0.002	0.000	0.001	0.000
60	0.000	0.001	0.001	0.002	0.000	0.001	0.001
120	0.001	0.001	0.002	0.003	0.000	0.001	0.001
180	0.001	0.001	0.002	0.003	0.001	0.001	0.001
240	0.001	0.002	0.002	0.003	0.001	0.001	0.002
300	0.001	0.002	0.002	0.004	0.001	0.001	0.002
360	0.001	0.002	0.002	0.004	0.001	0.001	0.002
420	0.002	0.002	0.003	0.004	0.001	0.001	0.002
480	0.002	0.002	0.003	0.005	0.001	0.001	0.002
540	0.002	0.002	0.003	0.005	0.001	0.001	0.002
600	0.002	0.003	0.003	0.005	0.001	0.001	0.002
660	0.002	0.003	0.003	0.005	0.001	0.001	0.003











**ATTACHMENT F**

DETAILED CANCER RISK CALCULATIONS AT EACH RECEPTOR

# Attachment F

## Air Quality Health Risk Calculations (Summary)

Risk Assessment Guidelines -

Based on Receptor Location relative to Freeways and Roads

AERMOD Modeling Results

Cancer Risk per one million exposed

Receptor	Emission Concentration (ug/m <sup>3</sup> )	9 Years	30 Years	70 Years
R1	0.009560907	4.7	7.5	11.7
R2	0.00952616	4.6	7.5	11.7
R3	0.016906339	8.2	13.3	20.8
R4	0.00662113	3.2	5.2	8.1
R5	0.004695002	2.3	3.7	5.8
R6	0.003822957	1.9	3.0	4.7
R7	0.002980091	1.5	2.3	3.7
R8	0.005317525	2.6	4.2	6.5
R9	0.006548992	3.2	5.1	8.0
R10	0.01747005	8.5	13.7	21.5
R11	0.047848336	23.3	37.6	58.8
R12	0.04643322	22.6	36.5	57.0
R13	0.005279119	2.6	4.1	6.5
R14	0.00517814	2.5	4.1	6.4

## Attachment F

Receptor Location R1	Emission Concentration (ug/m <sup>3</sup> ) 0.009560907					
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.009560907	0.009560907	0.009560907	0.009560907	0.009560907	0.009560907
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	3.313E-06	1.000E-05	7.903E-06	6.838E-06	3.075E-06	3.075E-06
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	1.106E-07	2.673E-06	1.878E-06	3.249E-06	1.481E-06	5.714E-06
Risk Contribution Per Million	0.111	2.673	1.878	3.249	1.481	5.714
Cancer Risk Per Million (9 Years)	4.7					
Cancer Risk Per Million (30Years)	7.5					
Cancer Risk Per Million (70 Years)	11.7					

## Attachment F

Receptor Location	Emission Concentration (ug/m <sup>3</sup> )					
R2	0.00952616					
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.00952616	0.00952616	0.00952616	0.00952616	0.00952616	0.00952616
Breathing Rate per agegroup						
BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	3.301E-06	9.968E-06	7.874E-06	6.813E-06	3.064E-06	3.064E-06
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	1.102E-07	2.663E-06	1.871E-06	3.238E-06	1.476E-06	5.693E-06
Risk Contribution Per Million	0.110	2.663	1.871	3.238	1.476	5.693
Cancer Risk Per Million (9 Years)	4.6					
Cancer Risk Per Million (30Years)	7.5					
Cancer Risk Per Million (70 Years)	11.7					

## Attachment F

Receptor Location R3	Emission Concentration (ug/m <sup>3</sup> ) 0.016906339					
	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Age (Years)						
Cair (annual) - From F15	0.016906339	0.016906339	0.016906339	0.016906339	0.016906339	0.016906339
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	5.859E-06	1.769E-05	1.397E-05	1.209E-05	5.437E-06	5.437E-06
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	1.957E-07	4.726E-06	3.320E-06	5.746E-06	2.620E-06	1.010E-05
Risk Contribution Per Million	0.196	4.726	3.320	5.746	2.620	10.104
Cancer Risk Per Million (9 Years)	8.2					
Cancer Risk Per Million (30Years)	13.3					
Cancer Risk Per Million (70 Years)	20.8					



## Attachment F

Receptor Location R4	Emission Concentration (ug/m <sup>3</sup> )					
	0.00662113					
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.00662113	0.00662113	0.00662113	0.00662113	0.00662113	0.00662113
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	2.295E-06	6.928E-06	5.473E-06	4.735E-06	2.129E-06	2.129E-06
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	7.662E-08	1.851E-06	1.300E-06	2.250E-06	1.026E-06	3.957E-06
Risk Contribution Per Million	0.077	1.851	1.300	2.250	1.026	3.957
Cancer Risk Per Million (9 Years)	3.2					
Cancer Risk Per Million (30Years)	5.2					
Cancer Risk Per Million (70 Years)	8.1					

## Attachment F

Receptor Location R5	Emission Concentration (ug/m <sup>3</sup> )					
	0.004695002					
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.004695002	0.004695002	0.004695002	0.004695002	0.004695002	0.004695002
Breathing Rate per agegroup						
BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	1.627E-06	4.913E-06	3.881E-06	3.358E-06	1.510E-06	1.510E-06
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	5.433E-08	1.312E-06	9.221E-07	1.596E-06	7.275E-07	2.806E-06
Risk Contribution Per Million	0.054	1.312	0.922	1.596	0.727	2.806
Cancer Risk Per Million (9 Years)	2.3					
Cancer Risk Per Million (30Years)	3.7					
Cancer Risk Per Million (70 Years)	5.8					

## Attachment F

Receptor Location R6	Emission Concentration (ug/m <sup>3</sup> ) 0.003822957					
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.003822957	0.003822957	0.003822957	0.003822957	0.003822957	0.003822957
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	1.325E-06	4.000E-06	3.160E-06	2.734E-06	1.229E-06	1.229E-06
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	4.42417E-08	1.06866E-06	7.50793E-07	1.29928E-06	5.92355E-07	2.2848E-06
Risk Contribution Per Million	0.044	1.069	0.751	1.299	0.592	2.285
Cancer Risk Per Million (9 Years)	1.9					
Cancer Risk Per Million (30Years)	3.0					
Cancer Risk Per Million (70 Years)	4.7					

## Attachment F

Receptor Location R7	Emission Concentration (ug/m <sup>3</sup> ) 0.002980091					
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.002980091	0.002980091	0.002980091	0.002980091	0.002980091	0.002980091
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	1.033E-06	3.118E-06	2.463E-06	2.131E-06	9.584E-07	9.584E-07
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	3.44875E-08	8.3305E-07	5.85262E-07	1.01282E-06	4.61756E-07	1.78106E-06
Risk Contribution Per Million	0.034	0.833	0.585	1.013	0.462	1.781
Cancer Risk Per Million (9 Years)	1.5					
Cancer Risk Per Million (30Years)	2.3					
Cancer Risk Per Million (70 Years)	3.7					

## Attachment F

Receptor Location R8	Emission Concentration (ug/m <sup>3</sup> ) 0.005317525					
	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Age (Years)						
Cair (annual) - From F15	0.005317525	0.005317525	0.005317525	0.005317525	0.005317525	0.005317525
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	1.843E-06	5.564E-06	4.395E-06	3.803E-06	1.710E-06	1.710E-06
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	6.15377E-08	1.48645E-06	1.04431E-06	1.80723E-06	8.23934E-07	3.17803E-06
Risk Contribution Per Million	0.062	1.486	1.044	1.807	0.824	3.178
Cancer Risk Per Million (9 Years)	2.6					
Cancer Risk Per Million (30Years)	4.2					
Cancer Risk Per Million (70 Years)	6.5					

## Attachment F

Receptor Location R9	Emission Concentration (ug/m <sup>3</sup> ) 0.006548992					
	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Age (Years)						
Cair (annual) - From F15	0.006548992	0.006548992	0.006548992	0.006548992	0.006548992	0.006548992
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	2.270E-06	6.853E-06	5.413E-06	4.684E-06	2.106E-06	2.106E-06
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	7.57891E-08	1.83069E-06	1.28616E-06	2.22576E-06	1.01475E-06	3.91402E-06
Risk Contribution Per Million	0.076	1.831	1.286	2.226	1.015	3.914
Cancer Risk Per Million (9 Years)	3.2					
Cancer Risk Per Million (30Years)	5.1					
Cancer Risk Per Million (70 Years)	8.0					

## Attachment F

Receptor Location R10	Emission Concentration (ug/m <sup>3</sup> )					
	0.01747005					
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.01747005	0.01747005	0.01747005	0.01747005	0.01747005	0.01747005
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	6.054E-06	1.828E-05	1.444E-05	1.249E-05	5.618E-06	5.618E-06
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	2.02174E-07	4.88355E-06	3.43095E-06	5.93742E-06	2.70693E-06	1.0441E-05
Risk Contribution Per Million	0.202	4.884	3.431	5.937	2.707	10.441
Cancer Risk Per Million (9 Years)	8.5					
Cancer Risk Per Million (30Years)	13.7					
Cancer Risk Per Million (70 Years)	21.5					

## Attachment F

Receptor Location R11	Emission Concentration (ug/m <sup>3</sup> ) 0.047848336					
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.047848336	0.047848336	0.047848336	0.047848336	0.047848336	0.047848336
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	1.658E-05	5.007E-05	3.955E-05	3.422E-05	1.539E-05	1.539E-05
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	5.53731E-07	1.33754E-05	9.39697E-06	1.62619E-05	7.41395E-06	2.85967E-05
Risk Contribution Per Million	0.554	13.375	9.397	16.262	7.414	28.597
Cancer Risk Per Million (9 Years)	23.3					
Cancer Risk Per Million (30Years)	37.6					
Cancer Risk Per Million (70 Years)	58.8					



## Attachment F

Receptor Location R12	Emission Concentration (ug/m <sup>3</sup> )					
	0.04643322					
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.04643322	0.04643322	0.04643322	0.04643322	0.04643322	0.04643322
Breathing Rate per agegroup						
BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	1.609E-05	4.859E-05	3.838E-05	3.321E-05	1.493E-05	1.493E-05
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	5.37354E-07	1.29799E-05	9.11905E-06	1.57809E-05	7.19468E-06	2.77509E-05
Risk Contribution Per Million	0.537	12.980	9.119	15.781	7.195	27.751
Cancer Risk Per Million (9 Years)	22.6					
Cancer Risk Per Million (30Years)	36.5					
Cancer Risk Per Million (70 Years)	57.0					

## Attachment F

Receptor Location R13	Emission Concentration (ug/m <sup>3</sup> ) 0.005279119					
	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Age (Years)						
Cair (annual) - From F15	0.005279119	0.005279119	0.005279119	0.005279119	0.005279119	0.005279119
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	1.830E-06	5.524E-06	4.364E-06	3.776E-06	1.698E-06	1.698E-06
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	6.10933E-08	1.47572E-06	1.03677E-06	1.79418E-06	8.17983E-07	3.15508E-06
Risk Contribution Per Million	0.061	1.476	1.037	1.794	0.818	3.155
Cancer Risk Per Million (9 Years)	2.6					
Cancer Risk Per Million (30Years)	4.1					
Cancer Risk Per Million (70 Years)	6.5					

## Attachment F

Receptor Location R14	Emission Concentration (ug/m <sup>3</sup> )					
	0.00517814					
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.00517814	0.00517814	0.00517814	0.00517814	0.00517814	0.00517814
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	335
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10 <sup>-6</sup> Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	1.795E-06	5.418E-06	4.280E-06	3.703E-06	1.665E-06	1.665E-06
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	3	3
ED	0.25	2	7	14	14	54
AT	70	70	70	70	70	70
FAH (USE 1 if School for 3rd and 2-9) Page 8-5	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	5.99247E-08	1.44749E-06	1.01694E-06	1.75986E-06	8.02337E-07	3.09473E-06
Risk Contribution Per Million	0.060	1.447	1.017	1.760	0.802	3.095
Cancer Risk Per Million (9 Years)	2.5					
Cancer Risk Per Million (30Years)	4.1					
Cancer Risk Per Million (70 Years)	6.4					