# Appendix A
# Air Quality/Greenhouse Gas Emissions Assessment

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# Air Quality and Greenhouse Gas Emissions Assessment for the El Centro Town Center Phase II – Single Family Residential and Industrial Project

## City of El Centro, California

**Prepared For:**

Michael Baker International
9755 Clairemont Mesa Boulevard
San Diego, CA 92124

**Prepared By:**

ECORP Consulting, Inc.
ENVIRONMENTAL CONSULTANTS

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## LIST OF ACRONYMS AND ABBREVIATIONS

| | |
|---|---|
| °F | Degrees Fahrenheit |
| µg/$m^3$ | Micrograms per cubic meter; ppm = parts per million |
| AB | Assembly Bill |
| AQMD | Air Quality Management District |
| AQTF | Air Quality Task Force |
| ATCM | Airborne toxics control measure |
| CAA | Clean Air Act |
| CAAQS | California Ambient Air Quality Standards |
| CalEEMod | California Emissions Estimator Model |
| Caltrans | California Department of Transportation |
| CAPCOA | California Air Pollution Control Officers Association |
| CARB | California Air Resources Board |
| CCAA | California Clean Air Act |
| CCR | California Code of Regulations |
| CEQA | California Environmental Quality Act |
| $CH_4$ | Methane |
| City | City of El Centro |
| $CO_2$ | Carbon dioxide |
| $CO_2e$ | Carbon dioxide equivalent |
| County | Imperial County |
| DPM | Diesel particulate matter |
| EO | Executive Order |
| GHG | Greenhouse gas |
| GWP | Global warming potential |
| HRA | Health risk assessment |
| ICAPCD | Imperial County Air Pollution Control District |
| IPCC | Intergovernmental Panel on Climate Change |
| MDAQMD | Mojave Desert Air Quality Management District |
| $N_2O$ | Nitrous oxide |
| NAAQS | National Ambient Air Quality Standards |
| $NO_2$ | Nitrogen dioxide |

## LIST OF ACRONYMS AND ABBREVIATIONS

| | |
|---|---|
| $NO_x$ | Nitric oxides |
| $O_3$ | Ozone |
| PM | Particulate matter |
| $PM_{10}$ | Coarse particulate matter |
| $PM_{2.5}$ | Fine particulate matter |
| ppb | Parts per billion |
| Project | El Centro Town Center Phase II – Single Family Residential and Industrial Project |
| ROGs | Reactive organic gases |
| SB | Senate Bill |
| SCAQMD | South Coast Air Quality Management |
| SIP | State Implementation Plan |
| $SO_2$ | Sulfur dioxide |
| $SO_x$ | Sulfur oxides |
| SR | State Route |
| SSAB | Salton Sea Air Basin |
| TACs | Toxic air contaminants |
| USEPA | U.S. Environmental Protection Agency |
| VOC | Volatile organic compound |
| VMT | Vehicle Miles Traveled |

# 1.0 INTRODUCTION

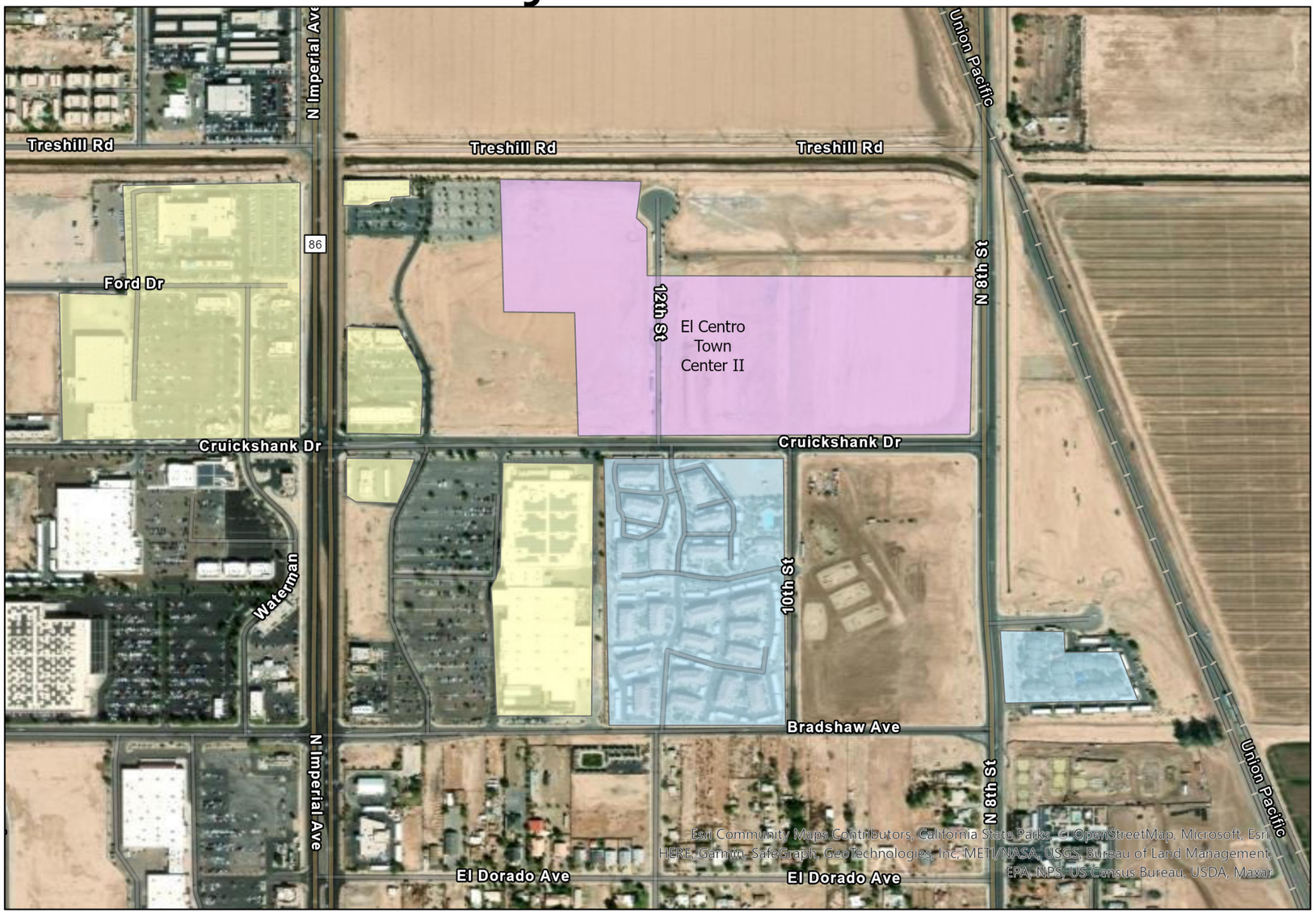
This report documents the results of an assessment of both air quality and greenhouse gas (GHG) emissions completed for the El Centro Town Center 2 Single Family Residential and Industrial Project (Project), which includes the construction of mixed-use development with warehouse space and residential uses. This assessment was prepared using methodologies and assumptions recommended in the rules and regulations promulgated by the Imperial County Air Pollution Control District (ICAPCD). Regional and local existing conditions are presented, along with pertinent emissions standards and regulations.

## 1.1 Project Location and Description

The 35.78-acre Project Site is located in the City of El Centro (City), located in Imperial County. The Project Site is currently undeveloped and located at the Cruickshank Drive and North 8th Street intersection. The land uses surrounding the site consist mainly of commercial and agricultural (see Figure 1-1. Project Location).

The Project proposes the construction of a mixed-use development with warehouse buildings spanning 17.26-acres and a maximum of 104 residential units on the adjacent 18.52-acres, along with a park and various Project amenities. The Project is proposed to be constructed in two phases. Phase 1 proposes the construction of the residential units and Phase 2 proposes the construction of the warehouse space. Construction of Phase 1 would begin in January of 2024 and Phase 2 would begin in January of 2025 with both phases lasting approximately 20 months. Project construction would require the export of 9,000 cubic yards of soil and the import of 116,000 cubic yards of soil with a majority of the soil movement occurring in Phase 1.

# Project Location




**Legend**

Residential

El Centro Town Center II Project Site

Commercial

N
W E
S

0 0.06 0.13 0.25 Miles

Map Date: 2/3/2022
Photo (or Base) Source: *ArcGIS*

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**Figure 1-1. Project Location**

*2022-186*

# 2.0 AIR QUALITY

## 2.1 Air Quality Setting

Air quality in a region is determined by its topography, meteorology, and existing air pollutant sources. These factors are discussed below, along with the current regulatory structure that applies to the Salton Sea Air Basin (SSAB), which encompasses the Project Site, pursuant to the regulatory authority of the ICAPCD.

Ambient air quality is commonly characterized by climate conditions, the meteorological influences on air quality, and the quantity and type of pollutants released. The air basin is subject to a combination of topographical and climatic factors that reduce the potential for high levels of regional and local air pollutants. The following section describes the pertinent characteristics of the air basin and provides an overview of the physical conditions affecting pollutant dispersion in the Project Area.

### 2.1.1 Salton Sea Air Basin

The California Air Resources Board (CARB) divides the State into air basins that share similar meteorological and topographical features. Imperial County, which extends over 4,482 square miles in the southeastern corner of California, lies in the SSAB, which includes the Imperial Valley and the central part of Riverside County, including the Coachella Valley. The province is characterized by the large-scale sinking and warming of air within the semi-permanent subtropical high-pressure center over the Pacific Ocean. The elevation in Imperial County ranges from about 230 feet below sea level in the Salton Sea to more than 2,800 feet on the mountain summits to the east.

#### *2.1.1.1 Temperature and Precipitation*

The flat terrain near the Salton Sea, intense heat from the sun during the day, and strong radiational cooling at night create deep convective thermals during the daytime and equally strong surface-based temperature inversions at night. The temperature inversions and light nighttime winds trap any local air pollution emissions near the ground. The area is subject to frequent hazy conditions at sunrise, followed by rapid daytime dissipation as winds pick up and the temperature warms. The lack of clouds and atmospheric moisture creates strong diurnal and seasonal temperature variations ranging from an average summer maximum of 108 degrees Fahrenheit (° F) down to a winter morning minimum of 38° F. The most pleasant weather occurs from about mid-October to early May when daily highs are in the 70s and 80s with very infrequent cloudiness or rainfall. Imperial County experiences rainfall on an average of only four times per year (>0.10 inches in 24 hours). The local area usually has three days of rain in winter and one thunderstorm day in August. The annual rainfall in this region is less than three inches per year.

#### *2.1.1.2 Wind*

Winds in the area are driven by a complex pattern of local, regional and global forces, but primarily reflect the temperature difference between the cool ocean to the west and the heated interior of the entire desert southwest. For much of the year, winds flow predominantly from the west to the east. In summer, intense solar heating in the Imperial Valley creates a more localized wind pattern, as air comes up from the southeast

via the Gulf of California. During periods of strong solar heating and intense convection, turbulent motion creates good mixing and low levels of air pollution. However, even strong turbulent mixing is insufficient to overcome the limited air pollution controls on sources in the Mexicali, Mexico area. Imperial County is predominately agricultural land. This is a factor in the cumulative air quality of the SSAB. The agricultural production generates dust and small particulate matter through the use of agricultural equipment on unpaved roads, land preparation, and harvest practices. Imperial County experiences unhealthful air quality from photochemical smog and from dust due to extensive surface disturbance and the very arid climate.

#### *2.1.1.3 Inversion*

The entire county is affected by inversion layers, where warm air overlays cooler air. Inversion layers trap pollutants close to the ground. In the winter, these pollutant-trapping, ground-based inversions are formed during windless, clear-sky conditions, as cold air collects in low-lying areas such as valleys and canyons. Imperial County experiences surface inversions almost every day of the year. Due to strong surface heating, these inversions are usually broken allowing pollutants to be more easily dispersed.

### 2.1.2 Criteria Air Pollutants

Criteria air pollutants are defined as those pollutants for which the federal and state governments have established air quality standards for outdoor or ambient concentrations to protect public health with a determined margin of safety. Ozone ($O_3$), coarse particulate matter ($PM_{10}$), and fine particulate matter ($PM_{2.5}$) are generally considered to be regional pollutants because they or their precursors affect air quality on a regional scale. Pollutants such as carbon monoxide (CO), nitrogen dioxide ($NO_2$), and sulfur dioxide ($SO_2$) are considered to be local pollutants because they tend to accumulate in the air locally. PM is also considered a local pollutant. Health effects commonly associated with criteria pollutants are summarized in Table 2-1.

**Table 2-1. Criteria Air Pollutants- Summary of Common Sources and Effects**

| Pollutant | Major Manmade Sources | Human Health & Welfare Effects |
|---|---|---|
| CO | An odorless, colorless gas formed when carbon in fuel is not burned completely; a component of motor vehicle exhaust. | Reduces the ability of blood to deliver oxygen to vital tissues, effecting the cardiovascular and nervous system. Impairs vision, causes dizziness, and can lead to unconsciousness or death. |
| $NO_2$ | A reddish-brown gas formed during fuel combustion for motor vehicles, energy utilities and industrial sources. | Respiratory irritant; aggravates lung and heart problems. Precursor to ozone and acid rain. Causes brown discoloration of the atmosphere. |
| $O_3$ | Formed by a chemical reaction between reactive organic gases (ROGs) and nitrous oxides ($N_2O$) in the presence of sunlight. Common sources of these precursor pollutants include motor vehicle exhaust, industrial emissions, solvents, paints and landfills. | Irritates and causes inflammation of the mucous membranes and lung airways; causes wheezing, coughing and pain when inhaling deeply; decreases lung capacity; aggravates lung and heart problems. Damages plants; reduces crop yield. |
| $PM_{10}$ & $PM_{2.5}$ | Power plants, steel mills, chemical plants, unpaved roads and parking lots, wood-burning stoves and fireplaces, automobiles and others. | Increased respiratory symptoms, such as irritation of the airways, coughing, or difficulty breathing; aggravated asthma; development of chronic bronchitis; irregular heartbeat; nonfatal heart attacks; and premature death in people with heart or lung disease. Impairs visibility (haze). |
| $SO_2$ | A colorless, nonflammable gas formed when fuel containing sulfur is burned. Examples are refineries, cement manufacturing, and locomotives. | Respiratory irritant. Aggravates lung and heart problems. Can damage crops and natural vegetation. Impairs visibility. |

Source: California Air Pollution Control Officers Association (CAPCOA 2013)

#### *2.1.2.1 Carbon Monoxide*

CO in the urban environment is associated primarily with the incomplete combustion of fossil fuels in motor vehicles. CO combines with hemoglobin in the bloodstream and reduces the amount of oxygen that can be circulated through the body. High CO concentrations can cause headaches, aggravate cardiovascular disease and impair central nervous system functions. CO concentrations can vary greatly over comparatively short distances. Relatively high concentrations of CO are typically found near crowded intersections and along heavy roadways with slow moving traffic. Even under the most severe meteorological and traffic conditions, high concentrations of CO are limited to locations within relatively short distances of the source. Overall CO emissions are decreasing as a result of the Federal Motor Vehicle Control Program, which has mandated increasingly lower emission levels for vehicles manufactured since 1973. CO levels in the SSAB are in compliance with the state and federal one- and eight-hour standards.

#### *2.1.2.2 Nitrogen Oxides*

Nitrogen gas comprises about 80 percent of the air and is naturally occurring. At high temperatures and under certain conditions, nitrogen can combine with oxygen to form several different gaseous compounds

collectively called nitric oxides ($NO_x$). Motor vehicle emissions are the main source of $NO_x$ in urban areas. $NO_x$ is very toxic to animals and humans because of its ability to form nitric acid with water in the eyes, lungs, mucus membrane, and skin. In animals, long-term exposure to $NO_x$ increases susceptibility to respiratory infections, and lowering resistance to such diseases as pneumonia and influenza. Laboratory studies show that susceptible humans, such as asthmatics, who are exposed to high concentrations can suffer from lung irritation or possible lung damage. Precursors of $NO_x$, such as NO and $NO_2$, attribute to the formation of $O_3$ and $PM_{2.5}$. Epidemiological studies have also shown associations between $NO_2$ concentrations and daily mortality from respiratory and cardiovascular causes and with hospital admissions for respiratory conditions.

#### *2.1.2.3 Ozone*

$O_3$ is a secondary pollutant, meaning it is not directly emitted. It is formed when volatile organic compounds (VOCs) or ROGs and $NO_x$ undergo photochemical reactions that occur only in the presence of sunlight. The primary source of ROG emissions is unburned hydrocarbons in motor vehicle and other internal combustion engine exhaust. $NO_x$ forms as a result of the combustion process, most notably due to the operation of motor vehicles. Sunlight and hot weather cause ground-level $O_3$ to form. Ground-level $O_3$ is the primary constituent of smog. Because $O_3$ formation occurs over extended periods of time, both $O_3$ and its precursors are transported by wind and high $O_3$ concentrations can occur in areas well away from sources of its constituent pollutants.

People with lung disease, children, older adults, and people who are active can be affected when $O_3$ levels exceed ambient air quality standards. Numerous scientific studies have linked ground-level $O_3$ exposure to a variety of problems including lung irritation, difficult breathing, permanent lung damage to those with repeated exposure, and respiratory illnesses.

#### *2.1.2.4 Particulate Matter*

PM includes both aerosols and solid particulates of a wide range of sizes and composition. Of concern are those particles smaller than or equal to 10 microns in diameter size ($PM_{10}$) and small than or equal to 2.5 microns in diameter ($PM_{2.5}$). Smaller particulates are of greater concern because they can penetrate deeper into the lungs than larger particles. $PM_{10}$ is generally emitted directly as a result of mechanical processes that crush or grind larger particles or form the resuspension of dust, typically through construction activities and vehicular travel. $PM_{10}$ generally settles out of the atmosphere rapidly and is not readily transported over large distances. $PM_{2.5}$ is directly emitted in combustion exhaust and is formed in atmospheric reactions between various gaseous pollutants, including $NO_x$, sulfur oxides ($SO_x$) and VOCs. $PM_{2.5}$ can remain suspended in the atmosphere for days and/or weeks and can be transported long distances.

The principal health effects of airborne PM are on the respiratory system. Short-term exposure of high $PM_{2.5}$ and $PM_{10}$ levels are associated with premature mortality and increased hospital admissions and emergency room visits. Long-term exposure is associated with premature mortality and chronic respiratory disease. According to the U.S. Environmental Protection Agency (USEPA), some people are much more sensitive than others to breathing $PM_{10}$ and $PM_{2.5}$. People with influenza, chronic respiratory and cardiovascular diseases, and the elderly may suffer worse illnesses; people with bronchitis can expect aggravated symptoms; and

children may experience decline in lung function due to breathing in $PM_{10}$ and $PM_{2.5}$. Other groups considered sensitive include smokers and people who cannot breathe well through their noses. Exercising athletes are also considered sensitive because many breathe through their mouths.

### 2.1.3 Toxic Air Contaminants

In addition to the criteria pollutants discussed above, toxic air contaminants (TACs) are another group of pollutants of concern. TACs are considered either carcinogenic or noncarcinogenic based on the nature of the health effects associated with exposure to the pollutant. For regulatory purposes, carcinogenic TACs are assumed to have no safe threshold below which health impacts would not occur, and cancer risk is expressed as excess cancer cases per one million exposed individuals. Noncarcinogenic TACs differ in that there is generally assumed to be a safe level of exposure below which no negative health impact is believed to occur. These levels are determined on a pollutant-by-pollutant basis.

There are many different types of TACs, with varying degrees of toxicity. Sources of TACs include industrial processes such as petroleum refining and chrome plating operations, commercial operations such as gasoline stations and dry cleaners, and motor vehicle exhaust. Additionally, diesel engines emit a complex mixture of air pollutants composed of gaseous and solid material. The solid emissions in diesel exhaust are known as diesel particulate matter (DPM). In 1998, California identified DPM as a TAC based on its potential to cause cancer, premature death, and other health problems (e.g., asthma attacks and other respiratory symptoms). Those most vulnerable are children (whose lungs are still developing) and the elderly (who may have other serious health problems). Overall, diesel engine emissions are responsible for the majority of California's known cancer risk from outdoor air pollutants. Public exposure to TACs can result from emissions from normal operations, as well as from accidental releases of hazardous materials during upset conditions. The health effects of TACs include cancer, birth defects, neurological damage, and death.

#### *2.1.3.1 Diesel Exhaust*

Most recently, CARB identified DPM as a TAC. DPM differs from other TACs in that it is not a single substance but rather a complex mixture of hundreds of substances. Diesel exhaust is a complex mixture of particles and gases produced when an engine burns diesel fuel. DPM is a concern because it causes lung cancer; many compounds found in diesel exhaust are carcinogenic. DPM includes the particle-phase constituents in diesel exhaust. The chemical composition and particle sizes of DPM vary between different engine types (heavy-duty, light-duty), engine operating conditions (idle, accelerate, decelerate), fuel formulations (high/low sulfur fuel), and the year of the engine (USEPA 2002). Some short-term (acute) effects of diesel exhaust include eye, nose, throat, and lung irritation, and diesel exhaust can cause coughs, headaches, light-headedness, and nausea. DPM poses the greatest health risk among the TACs; due to their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

### 2.1.4 Ambient Air Quality

Ambient air quality at the Project Site can be inferred from ambient air quality measurements conducted at nearby air quality monitoring stations. CARB maintains more than 60 monitoring stations throughout California. $O_3$, $PM_{10}$ and $PM_{2.5}$ are the pollutant species most potently affecting the Project region. As

described in detail below, the Project region is designated as a nonattainment area for the federal $O_3$ and $PM_{2.5}$ standards and is also a nonattainment area for the state standards for $O_3$ and $PM_{10}$ (CARB 2022b). The El Centro air quality monitoring station (150 9th Street, El Centro) located approximately 1.64 miles south of the Project Site, monitors ambient concentrations of $O_3$, $PM_{2.5}$ and $PM_{10}$. Ambient emission concentrations will vary due to localized variations in emission sources and climate and should be considered "generally" representative of ambient concentrations in the Project Area.

Table 2-2 summarizes the published data concerning $O_3$, $PM_{2.5}$ and $PM_{10}$ for each year that the monitoring data is provided. $O_3$, $PM_{10}$ and $PM_{2.5}$ are the pollutant species most potently affecting the Project region.

**Table 2-2. Summary of Ambient Air Quality Data**

| Pollutant Standards | 2019 | 2020 | 2021 |
|---|---|---|---|
| **$O_3$** | | | |
| Max 1-hour concentration (ppm) | 0.080 | 0.097 | 0.096 |
| Max 8-hour concentration (ppm) (state/federal) | 0.071 / 0.071 | 0.077 / 0.077 | 0.084 / 0.083 |
| Number of days above 1-hour standard (state/federal) | 0 / 0 | 1 / 0 | 1 / 0 |
| Number of days above 8-hour standard (state/federal) | 1 / 1 | 2 / 2 | 7 / 6 |
| **$PM_{10}$** | | | |
| Max 24-hour concentration (µg/m$^3$) (state/federal) | 130.0 / 123.9 | 197.7 / 197.5 | 186.9 / 194.5 |
| Number of days above 24-hour standard (state/federal) | 53.7 / 0 | 92.0 / 2.0 | 88.6 / 1.0 |
| **$PM_{2.5}$** | | | |
| Max 24-hour concentration (µg/m$^3$) (state/federal) | 21.4 / 21.4 | 28.5 / 28.5 | 19.1 / 19.1 |
| Number of days above federal 24-hour standard | 0 | 0 | 0 |

Source: CARB 2022a
µg/m$^3$ = micrograms per cubic meter; ppm = parts per million
* = Insufficient data available

The USEPA and CARB designate air basins or portions of air basins and counties as being in "attainment" or "nonattainment" for each of the criteria pollutants. Areas that do not meet the standards are classified as nonattainment areas. The National Ambient Air Quality Standards (NAAQS) (other than $O_3$, $PM_{10}$ and $PM_{2.5}$ and those based on annual averages or arithmetic mean) are not to be exceeded more than once per year. The NAAQS for $O_3$, $PM_{10}$, and $PM_{2.5}$ are based on statistical calculations over one- to three-year periods, depending on the pollutant. The California Ambient Air Quality Standards (CAAQS) are not to be exceeded during a three-year period. The attainment status for the portion of the SSAB encompassing the Project Site is included in Table 2-3.

**Table 2-3. Attainment Status of Criteria Pollutants in the Imperial County Portion of the SSAB**

| Pollutant | State Designation | Federal Designation |
|---|---|---|
| $O_3$ | Nonattainment | Nonattainment |
| $PM_{10}$ | Nonattainment | Attainment |
| $PM_{2.5}$ | Attainment | Nonattainment |
| CO | Attainment | Unclassified/Attainment |
| $NO_2$ | Attainment | Unclassified/Attainment |
| $SO_2$ | Attainment | Unclassified/Attainment |

Source: CARB 2022b

The determination of whether an area meets the state and federal standards is based on air quality monitoring data. Some areas are unclassified, which means there is insufficient monitoring data for determining attainment or nonattainment. Unclassified areas are typically treated as being in attainment. Because the attainment/nonattainment designation is pollutant-specific, an area may be classified as nonattainment for one pollutant and attainment for another. Similarly, because the state and federal standards differ, an area could be classified as attainment for the federal standards of a pollutant and as nonattainment for the state standards of the same pollutant. The region is designated as a nonattainment area for the federal $O_3$ and $PM_{2.5}$ standards and is also a nonattainment area for the state standards for $O_3$ and $PM_{10}$ (CARB 2022b).

### 2.1.5 Sensitive Receptors

Sensitive receptors are defined as facilities or land uses that include members of the population who are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. CARB has identified the following groups of individuals as the most likely to be affected by air pollution: the elderly over 65, children under 14, athletes, and persons with cardiovascular and chronic respiratory diseases such as asthma, emphysema, and bronchitis. The nearest existing sensitive receptor to the Project Site is an apartment complex, Town Center Villa Apartments, located 142 feet south of the Project Site across Cruickshank Drive.

## 2.2 Regulatory Framework

### 2.2.1 Federal

#### *2.2.1.1 Clean Air Act*

The Clean Air Act (CAA) of 1970 and the CAA Amendments of 1971 required the USEPA to establish the NAAQS, with states retaining the option to adopt more stringent standards or to include other specific pollutants.

These standards are the levels of air quality considered safe, with an adequate margin of safety, to protect the public health and welfare. They are designed to protect those "sensitive receptors" most susceptible to further respiratory distress such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

The USEPA has classified air basins (or portions thereof) as being in attainment, nonattainment, or unclassified for each criteria air pollutant, based on whether or not the NAAQS have been achieved. If an area is designated unclassified, it is because inadequate air quality data were available as a basis for a nonattainment or attainment designation. Table 2-3 lists the federal attainment status of the SSAB for the criteria pollutants.

### 2.2.2 State

#### *2.2.2.1 California Clean Air Act*

The California Clean Air Act (CCAA) allows the state to adopt ambient air quality standards and other regulations provided that they are at least as stringent as federal standards. CARB, a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California, including setting the CAAQS. CARB also conducts research, compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California, consumer products (such as hairspray, aerosol paints, and barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. CARB also has primary responsibility for the development of California's State Implementation Plan (SIP), for which it works closely with the federal government and the local air districts.

#### *2.2.2.2 California State Implementation Plan*

The CCAA (and its subsequent amendments) requires the state to prepare an air quality control plan referred to as the SIP. The SIP is a living document that is periodically modified to reflect the latest emissions inventories, plans, and rules and regulations of air basins as reported by the agencies with jurisdiction over them. The CAA Amendments dictate that states containing areas violating the NAAQS revise their SIPs to include extra control measures to reduce air pollution. The SIP includes strategies and control measures to attain the NAAQS by deadlines established by the CAA. The USEPA has the responsibility to review all SIPs to determine if they conform to the requirements of the CAA. State law makes CARB the lead agency for all purposes related to the SIP. Local air districts and other agencies prepare SIP elements and submit them to CARB for review and approval. CARB then forwards SIP revisions to the USEPA for approval and publication in the Federal Register.

Local air districts, such as the ICAPCD, prepare air quality attainment plans or air quality management plans and submit them to CARB for review, approval, and incorporation into the applicable SIP. The air districts develop the strategies stated in the SIPs for achieving air quality standards on a regional basis.

For 8-Hour $O_3$, the ICAPCD adopted the 2017 8-hour Ozone State Implementation Plan in October 2018. The plan includes control measures which are an integral part of how the ICAPCD currently controls the ROG and $NO_X$ emissions within the $O_3$ nonattainment areas. The overall strategy includes programs and control measures which represent the implementation of Reasonable Available Control Technology (40 CFR 51.912) and the assurance that stationary sources maintain a net decrease in emissions.

For $PM_{10}$, the ICAPCD adopted the $PM_{10}$ State Implementation Plan in 2018, which maintained previously adopted fugitive dust control measures (Regulation VIII). The USEPA had previously approved Regulation VIII fugitive dust rules into the Imperial County portion of the California SIP in 2013.

For $PM_{2.5}$, the ICAPCD adopted the $PM_{2.5}$ SIP in April 2018. This SIP concluded that the majority of the $PM_{2.5}$ emissions resulted from transport in nearby Mexico. Specifically, the SIP demonstrates attainment of the 2006 $PM_{2.5}$ NAAQS "but for" transport of international emissions from Mexicali, Mexico. In accordance with the CCAA, the $PM_{2.5}$ SIP satisfies the attainment demonstration requirement satisfying the provisions of the CCAA.

The ICAPCD is working cooperatively with counterparts from Mexico to implement emissions reductions strategies and projects for air quality improvements at the border. The two countries strive to achieve these goals through local input from states, County governments, and citizens. Within the Mexicali and Imperial Valley area, the Air Quality Task Force (AQTF) has been organized to address those issues unique to the border region known as the Mexicali/Imperial air shed. The AQTF membership includes representatives from Federal, State, and local governments from both sides of the border, as well as representatives from academia, environmental organizations, and the general public. This group was created to promote regional efforts to improve the air quality monitoring network, emissions inventories, and air pollution transport modeling development, as well as the creation of programs and strategies to improve air quality.

#### *2.2.2.3 Tanner Air Toxics Act & Air Toxics "Hot Spots" Information and Assessment Act*

CARB's Statewide comprehensive air toxics program was established in 1983 with Assembly Bill (AB) 1807, the Toxic Air Contaminant Identification and Control Act (Tanner Air Toxics Act of 1983). AB 1807 created California's program to reduce exposure to air toxics and sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an airborne toxics control measure (ATCM) for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions.

CARB also administers the state's mobile source emissions control program and oversees air quality programs established by state statute, such as AB 2588, the Air Toxics "Hot Spots" Information and Assessment Act of 1987. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform a health risk assessment (HRA) and, if specific thresholds are exceeded, required to communicate the results to the public in the form of notices and public meetings. In September 1992, the "Hot Spots" Act was amended by Senate Bill (SB) 1731, which required facilities that pose a significant health risk to the community to reduce their risk through a risk management plan.

## 2.2.3 Local

### *2.2.3.1 Imperial County Air Pollution Control District*

The ICAPCD is the local air quality agency and shares responsibility with CARB for ensuring that state and federal ambient air quality standards are achieved and maintained in the SSAB. Furthermore, ICAPCD adopts and enforces controls on stationary sources of air pollutants through its permit and inspection programs and regulates agricultural burning. Other ICAPCD responsibilities include monitoring ambient air quality, preparing clean air plans, planning activities such as modeling and maintenance of the emission inventory, and responding to citizen air quality complaints.

To achieve and maintain ambient air quality standards, the ICAPCD has adopted various rules and regulations for the control of airborne pollutants. The ICAPCD Rules and Regulations that are applicable to the Proposed Project include, but are not limited to, ICAPCD Regulation VIII (Fugitive Dust Rules). The purpose of this regulation is to reduce the amount of $PM_{10}$ entrained in the ambient air as a result of emissions generated from construction and other earthmoving activities by requiring actions to prevent, reduce, or mitigate $PM_{10}$ emissions. Regulation VIII requires the Project to adopt best available control measures to minimize emissions from surface-disturbing activities. These measures include the following (ICAPCD 2017):

- All disturbed areas, including bulk material storage which is not being actively utilized, shall be effectively stabilized and visible emissions shall be limited to no greater than 20 percent opacity for dust emissions by using water, chemical stabilizers, dust suppressants, tarps, or other suitable material such as vegetative ground cover.
- All on-site and off-site unpaved roads will be effectively stabilized, and visible emissions shall be limited to no greater than 20 percent opacity for dust emissions by paving, chemical stabilizers, or dust suppressants.
- All unpaved traffic areas of 1 acre or more with 75 or more average vehicle trips per day will be effectively stabilized and visible emissions shall be limited to no greater than 20 percent opacity for dust emissions by paving, chemical stabilizers, dust suppressants, and/or watering.
- The transport of bulk materials shall be completely covered unless 6 inches of freeboard space from the top of the container is maintained with no spillage and loss of bulk material. In addition, the cargo compartment of all haul trucks is to be cleaned and/or washed at the delivery site after removal of bulk material.
- All track-out or carry-out will be cleaned at the end of each workday or immediately when mud or dirt extends a cumulative distance of 50 linear feet or more onto a paved road within an urban area.
- Bulk material handling or transfer shall be stabilized prior to handling or at points of transfer with application of sufficient water, chemical stabilizers, or by sheltering or enclosing the operation and transfer line.

- The construction of any new unpaved road is prohibited within any area with a population of 500 or more unless the road meets the definition of a temporary unpaved road. Any temporary unpaved road shall be effectively stabilized and visible emissions shall be limited to no greater than 20 percent opacity for dust emission by paving, chemical stabilizers, dust suppressants and/or watering.

In addition, there are other ICAPCD rules and regulations, not detailed here, which may apply to the Proposed Project, but are administrative or descriptive in nature. These include rules associated with fees, enforcement and penalty actions, and variance procedures.

## 2.3 Air Quality Emissions Impact Assessment

### 2.3.1 Thresholds of Significance

The impact analysis provided below is based on the following California Environmental Quality Act (CEQA) Guidelines Appendix G thresholds of significance. The Project would result in a significant impact to air quality if it would do any of the following:

1. Conflict with or obstruct implementation of any applicable air quality plan.
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is nonattainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors).
3. Expose sensitive receptors to substantial pollutant concentrations.
4. Result in other emissions (such as those leading to odors adversely affecting a substantial number of people).

#### *2.3.1.1 Imperial County Air Pollution Control District Thresholds*

The significance criteria established by the applicable air quality management or air pollution control district (ICAPCD) may be relied upon to make the above determinations. The ICAPCD has identified significance thresholds for use in evaluating project impacts under CEQA. Accordingly, the ICAPCD-recommended thresholds of significance are used to determine whether implementation of the proposed Project would result in a significant air quality impact. Significance thresholds for evaluation construction and operational air quality impacts are listed in Table 2-4.

| Table 2-4. ICAPCD Significance Thresholds – Pounds per Day | | | |
|---|---|---|---|
| **Criteria Pollutant and Precursors** | **Construction Activities** | **Operations** | |
| | **Average Daily Emissions (lbs/day)** | **Average Daily Emissions (lbs/day)** | |
| | | **Tier I Threshold** | **Tier II Threshold** |
| ROG | 75 | <137 | >137 |
| $NO_x$ | 100 | <137 | >137 |
| $PM_{10}$ | 150 | <150 | >150 |
| $PM_{2.5}$ | N/A | <550 | >550 |
| CO | 550 | <550 | >550 |
| $SO_2$ | N/A | <150 | >150 |

Source: ICAPCD 2017

Projects that are predicted to exceed Tier I thresholds require implementation of applicable ICAPCD standard mitigation measures to be considered less than significant. Projects exceeding Tier II thresholds are required to implement applicable ICAPCD standard mitigation measures, as well as applicable discretionary mitigation measures. Projects that exceed the Tier II thresholds after implementation of standard and discretionary mitigation measures would be considered to have a potentially significant impact to human health and welfare.

By its very nature, air pollution is largely a cumulative impact. No single project is sufficient in size, by itself, to result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's individual emissions exceed its identified significance thresholds, the project would be cumulatively considerable. Projects that do not exceed significance thresholds would not be considered cumulative considerable.

### 2.3.2 Methodology

Air quality impacts were assessed in accordance with methodologies recommended by the ICAPCD. Where criteria air pollutant quantification was required, emissions were modeled using the California Emissions Estimator Model (CalEEMod), version 2022.1. CalEEMod is a statewide land use emissions computer model designed to quantify potential criteria pollutant emissions associated with both construction and operations from a variety of land use projects. Project construction-generated air pollutant emissions were calculated using CalEEMod model defaults for Imperial County as well as traffic data from Michael Baker International (2022). Operational air pollutant emissions were based on the Project Site plans.

### 2.3.3 Impact Analysis

#### *2.3.3.1 Project Construction-Generated Criteria Air Quality Emissions*

Emissions associated with Project implementation would be temporary and short-term but have the potential to represent a significant air quality impact. Two basic sources of short-term emissions will be generated through Project implementation: operation of the heavy-duty equipment (i.e., excavators,

loaders, haul trucks) and the creation of fugitive dust during construction. Construction activities such as excavation and grading operations, construction vehicle traffic, and wind blowing over exposed soils would generate exhaust emissions and fugitive PM emissions that affect local air quality at various times during construction. Effects would be variable depending on the weather, soil conditions, the amount of activity taking place, and the nature of dust control efforts. The dry climate of the area during the summer months creates a high potential for dust generation. Construction activities would be subject to ICAPCD Regulation VIII which, as previously described, requires taking reasonable precautions to reduce the amount of $PM_{10}$ entrained in the ambient air as a result of emissions generated from construction and other earthmoving activities by requiring actions to prevent, reduce, or mitigate $PM_{10}$ emissions. Regulation VIII requires the Project to adopt best available control measures to minimize emissions from surface-disturbing activities to comply with ICAPCD Regulation VIII (Fugitive Dust Rules). Aerial imagery of the Project Site demonstrates that the vast majority of El Centro is paved; all access roads to the Project Site are paved and construction workers commuting from outside of the City would still access the Project Site via Highway 86 as well as local paved roads, such as 12$^{th}$ Street, 10$^{th}$ Street, 8$^{th}$ Street, and Cruickshank Drive.

Emissions associated with Project off-road equipment, worker commute trips, and ground disturbance were calculated using the CARB-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. See Attachment A for more information regarding the construction assumptions, including types of construction equipment used and Project duration used in this analysis.

Predicted maximum daily emissions attributable to Project construction are summarized in Table 2-5. Such emissions are short-term and of temporary duration, lasting only as long as Project construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the ICAPCD thresholds of significance.

**Table 2-5. Unmitigated Project Construction-Generated Emissions**

| Construction Year | Pollutant (pounds per day) | | | | | |
|---|---|---|---|---|---|---|
| | **ROG** | **$NO_X$** | **CO** | **$SO_2$** | **$PM_{10}$** | **$PM_{2.5}$** |
| Construction Calendar Year One | 3.35 | 26.20 | 53.10 | 0.10 | 6.40 | 2.83 |
| Construction Calendar Year Two | 175.00 | 38.10 | 99.80 | 0.12 | 12.10 | 4.30 |
| Construction Calendar Year Three | 171.00 | 13.70 | 47.00 | 0.05 | 6.07 | 1.69 |
| ICAPCD Significance Threshold | *75* | *100* | *550* | *N/A* | *150* | *N/A* |
| Exceed ICAPCD Threshold? | **Yes** | **No** | **No** | **No** | **No** | **No** |

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.
Notes: Pounds per day taken from the season (summer or winter) with the highest output.

As shown in Table 2-5, Project ROG emissions would surpass ICAPCD daily ROG thresholds during both the second and third calendar years of construction. These daily emissions are primarily associated with the application of architectural coatings, including paint. Thus, mitigation measure AQ-1 is recommended to reduce the daily emission of ROG.

Mitigation Measure

**AQ-1:** Prior to the certificate of construction-related permits for the El Centro Town Center Phase II Single Family Residential and Industrial Project, the Project Applicant shall demonstrate to the satisfaction of the City of El Centro Community Development Department that the following measures will be implemented during Project construction.

- The Project shall use low volatile organic compound (VOC) architectural coating for interior applications that do not exceed a VOC content of 10 grams per liter, for exterior applications that do not exceed a VOC content of 50 grams per liter, and for parking applications that do not exceed a VOC content of 100 grams per liter.

Table 2-6 shows the results of construction emissions with implementation of mitigation measure AQ-1.

**Table 2-6. Mitigated Project Construction-Generated Emissions**

| Construction Year | Pollutant (pounds per day) | | | | | |
|---|---|---|---|---|---|---|
| | **ROG** | **$NO_X$** | **CO** | **$SO_2$** | **$PM_{10}$** | **$PM_{2.5}$** |
| Construction Calendar Year One | 3.35 | 26.20 | 53.10 | 0.10 | 6.40 | 2.83 |
| Construction Calendar Year Two | 32.70 | 38.10 | 99.80 | 0.12 | 12.10 | 4.30 |
| Construction Calendar Year Three | 28.50 | 13.70 | 47.00 | 0.05 | 6.07 | 1.69 |
| ICAPCD Significance Threshold | *75* | *100* | *550* | *N/A* | *150* | *N/A* |
| Exceed ICAPCD Threshold? | **No** | **No** | **No** | **No** | **No** | **No** |

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.
Notes: Pounds per day taken from the season (summer or winter) with the highest output.

As shown in Table 2-6, adherence to mitigation measure AQ-1 would ensure that the Proposed Project would not generate ROG emissions in excess of ICAPCD significance thresholds.

#### *2.3.3.2 Operational Criteria Air Quality Emissions*

Implementation of the Project would result in long-term operational emissions of criteria air pollutants such as $PM_{10}$, $PM_{2.5}$, CO, and $SO_2$ as well as $O_3$ precursors such as ROG and $NO_X$. Project-generated increases in emissions would be predominately associated with motor vehicle use. Long-term operational emissions attributable to the Project are identified in Table 2-7 and compared to the operational significance thresholds promulgated by the ICAPCD. The emissions calculations included adjustments to model defaults to reflect the findings in the traffic study, where possible. Therefore, in addition to adjusting model defaults to reflect the average daily trip identified in the traffic study, the model default for the percent of paved roadways is adjusted to reflect that identified in the traffic study. 100 percent of the roads analyzed in the traffic study are currently paved.

**Table 2-7. Operational-Related Emissions (Regional Significance Analysis)**

| Emission Source | Pollutant (pounds per day) | | | | | |
|---|---|---|---|---|---|---|
| | **ROG** | **$NO_X$** | **CO** | **$SO_2$** | **$PM_{10}$** | **$PM_{2.5}$** |
| **Summer Emissions** | | | | | | |
| Area | 41.5 | 0.33 | 38.5 | 0.01 | 0.05 | 0.06 |
| Energy | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | 0.37 |
| Mobile | 7.46 | 4.74 | 49.0 | 0.10 | 3.20 | 0.61 |
| **Total:** | **49.3** | **9.85** | **91.1** | **0.14** | **3.62** | **1.04** |
| *ICAPCD Significance Threshold* | *137* | *137* | *150* | *550* | *550* | *150* |
| **Exceed ICAPCD Significance Threshold?** | **No** | **No** | **No** | **No** | **No** | **No** |
| **Winter Emissions** | | | | | | |
| Area | 35.6 | -- | -- | -- | -- | -- |
| Energy | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | 0.37 |
| Mobile | 5.73 | 5.27 | 35.0 | 0.09 | 3.20 | 0.61 |
| **Total:** | **41.6** | **10.1** | **38.6** | **0.12** | **3.57** | **0.98** |
| ICAPCD Significance Threshold | *137* | *137* | *150* | *550* | *550* | *150* |
| Exceed ICAPCD Significance Threshold? | **No** | **No** | **No** | **No** | **No** | **No** |

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.
Notes: Operational emissions based off of traffic report provided by Michaeal Baker International.

As shown in Table 2-7, the Project's emissions would not exceed any ICAPCD's thresholds for any criteria air pollutants during operation.

#### *2.3.3.3 Conflict with an Applicable Air Quality Management Plan*

As previously described, the Project region is classified as nonattainment for federal $O_3$ and $PM_{2.5}$ standards (CARB 2022b). The USEPA, under the provisions of the CAA, requires each state with regions that have not attained the federal air quality standards to prepare a SIP, detailing how these standards are to be met in each local area. The SIP is a legal agreement between each state and the federal government to commit resources to improving air quality. It serves as the template for conducting regional and project-level air quality analysis. CARB is the lead agency for developing the SIP in California. Local air districts, such as the ICAPCD, prepare air quality attainment plans or air quality management plans and submit them to CARB for review, approval, and incorporation into the applicable SIP. The air districts develop the strategies stated in the SIPs for achieving air quality standards on a regional basis.

The region's SIP is constituted of the ICAPCD air quality plans: 2018 $PM_{10}$ SIP, the 2018 Annual $PM_{2.5}$ SIP, the 2017 8-Hour Ozone SIP, 2013 24-Hour $PM_{2.5}$ SIP, the 2009 1997 8-hour Ozone RACT SIP, the 2009 $PM_{10}$ SIP and the 2008 Ozone Early Progress Plans. These air quality attainment plans are a compilation of new and previously submitted plans, programs (such as monitoring, modeling, permitting, etc.), district rules, state regulations, and federal controls describing how the state will attain ambient air quality standards. A project is inconsistent with the ICAPCD air quality plans if it would result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new air quality violations, as determined by a comparison of Project emissions to ICAPCD significance thresholds. As shown in Tables 2-6 and 2-7, the Proposed Project would be below the ICAPCD significance thresholds during both construction and operations. Since the Project would result in less than significant emission impacts, it would not delay the timely attainment of air quality standards or ICAPCD air quality planning goals. The Proposed Project would not conflict with or obstruct the implementation of the ICAPCD air quality plans.

It is further noted that the ICAPCD air quality plans are intended to reduce emissions of criteria pollutants for which the region is in nonattainment by establishing a program of rules and regulations directed at reducing air pollutant emissions and achieving state and national air quality standards. It is noted that the Project is considered 'infill development' as it proposes to develop a property with residential uses in an urbanizing area in close proximity to a wide range of commercial businesses and services (along N. Imperial Avenue). As a result of proposing residential land uses in proximity to N. Imperial Avenue and its large amount of commercial services, the Project can be identified for its "location efficiency". Location efficiency describes the location of the project relative to the type of urban landscape its proposed to fit within. In general, compared to the statewide average, a project with location efficiency can realize substantial automotive vehicle mile trip (VMT) reductions, which in turn results in reduced air pollutant emissions. The Project would locate residences in close proximity to existing offsite commercial uses, thereby providing commercial and work options to the future residents that would live at the Project Site. The location efficiency of the Project Site would result in synergistic benefits that would reduce vehicle trips and VMT compared to the statewide average and would result in corresponding reductions in transportation-related emissions, a primary goal of the ICAPCD air quality planning efforts. Due to the wide range of commercial services located along N. Imperial Avenue, the Proposed Project could potentially enhance the physical design of the urban environment by instigating land use diversity and positioning more residents within close proximity to existing commercial land uses. The increases in land use diversity and mix of uses in the Project area would reduce vehicle trips and VMT by encouraging walking and non-automotive forms of transportation, which would result in corresponding reductions in transportation-related emissions, a primary goal of the ICAPCD.

For these reasons, the project proposal to amend the General Plan land use designation of the project site from General Commercial to Low Density Residential would be consistent with ICAPCD strategies for integrating land use and transportation in a manner that reduces regional air pollutants, and thus is consistent with the applicable air quality management plans.

#### *2.3.3.4 Exposure of Sensitive Receptors to Toxic Air Contaminants*

As previously described, sensitive receptors are defined as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. CARB has identified the following groups of individuals as the most likely to be affected by air pollution: the elderly over age 65, children under age 14, athletes, and persons with cardiovascular and chronic respiratory diseases such as asthma, emphysema, and bronchitis. The nearest existing noise-sensitive land use to the Project Site is an apartment complex, Town Center Villa Apartments, located south of the Project Site across Cruickshank Drive.

**Construction-Generated Air Contaminants**

Construction of the Project would result in temporary, short-term proposed Project-generated emissions of diesel particulate matter (DPM), ROG, NOx, CO, and $PM_{10}$ from the exhaust of off-road, heavy-duty diesel equipment for Project construction; soil hauling truck traffic; paving; and other miscellaneous activities. The portion of the SSAB which encompasses the Project Area is designated as a nonattainment area for federal $O_3$ and $PM_{2.5}$ standards and is also a nonattainment area for the state standards for $O_3$ and $PM_{10}$ (CARB 2022b). Thus, existing $O_3$, $PM_{10}$, and $PM_{2.5}$ levels in the SSAB are at unhealthy levels during certain periods. However, as shown in Table 2-5, the Project would not exceed the ICAPCD significance thresholds for construction emissions with implementation of mitigation measure AQ-1.

The health effects associated with $O_3$ are generally associated with reduced lung function. Because the Project would not involve construction activities that would result in $O_3$ precursor emissions (ROG or $NO_x$) in excess of the ICAPCD thresholds, the Project is not anticipated to substantially contribute to regional $O_3$ concentrations and the associated health impacts.

CO tends to be a localized impact associated with congested intersections. In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions. The Project would not involve activities that would result in CO emissions in excess of the ICAPCD thresholds. Thus, the Project's CO emissions would not contribute to the health effects associated with this pollutant.

Particulate matter ($PM_{10}$ and $PM_{2.5}$) contains microscopic solids or liquid droplets that are so small that they can get deep into the lungs and cause serious health problems. Particulate matter exposure has been linked to a variety of problems, including premature death in people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, aggravated asthma, decreased lung function, and increased respiratory symptoms such as irritation of the airways, coughing, or difficulty breathing. For construction-type activity, DPM is the primary TAC of concern. $PM_{10}$ exhaust is considered a surrogate for DPM as it contains $PM_{2.5}$ exhaust as a subset and all diesel exhaust is DPM. Most $PM_{10}$ exhaust derives from combustion, such as use of gasoline and diesel fuels by motor vehicles. As with $O_3$ and NOx, the Project would not generate emissions of $PM_{10}$ or $PM_{2.5}$ that would exceed the ICAPCD's thresholds. Accordingly, the Project's $PM_{10}$ and $PM_{2.5}$ emissions are not expected to cause any increase in related regional health effects for these pollutants.

In summary, Project construction would not result in a potentially significant contribution to regional concentrations of nonattainment pollutants and would not result in a significant contribution to the adverse health impacts associated with those pollutants.

## Operational Air Contaminants

Operation of the Proposed Project would not result in the development of any substantial sources of air toxics. There are no stationary sources associated with the operations of the Project; nor would the Project attract mobile sources that spend long periods queuing and idling at the site. The operational emissions are expected to come from vehicles traveling to the single-family houses and individual warehouse units. As shown in Table 2-6, onsite Project emissions would not result in emissions of criteria pollutants over the ICAPCD thresholds. Therefore, there would not be significant concentrations of pollutants at nearby sensitive receptors.

## Carbon Monoxide Hot Spots

It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when idling at intersections. Concentrations of CO are a direct function of the number of vehicles, length of delay, and traffic flow conditions. Under certain meteorological conditions, CO concentrations close to congested intersections that experience high levels of traffic and elevated background concentrations may reach unhealthy levels, affecting nearby sensitive receptors. Given the high traffic volume potential, areas of high CO concentrations, or "hot spots," are typically associated with intersections that are projected to operate at unacceptable levels of service during the peak commute hours. It has long been recognized that CO hotspots are caused by vehicular emissions, primarily when idling at congested intersections. However, transport of this criteria pollutant is extremely limited, and CO disperses rapidly with distance from the source under normal meteorological conditions. Furthermore, vehicle emissions standards have become increasingly more stringent in the last 20 years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentration in the SSAB is designated as in attainment. Detailed modeling of Project-specific CO "hot spots" is not necessary and thus this potential impact is addressed qualitatively.

A CO "hot spot" would occur if an exceedance of the state one-hour standard of 20 parts per million (ppm) or the eight-hour standard of 9 ppm were to occur. The analysis prepared for CO attainment in the South Coast Air Quality Management District's (SCAQMD's) *1992 Federal Attainment Plan for Carbon Monoxide* in Los Angeles County and a Modeling and Attainment Demonstration prepared by the SCAQMD as part of the 2003 Air Quality Management Plan can be used to demonstrate the potential for CO exceedances of these standards. The SCAQMD is the air pollution control officer for much of southern California. The SCAQMD conducted a CO hot spot analysis as part of the 1992 CO Federal Attainment Plan at four busy intersections in Los Angeles County during the peak morning and afternoon time periods. The intersections evaluated included Long Beach Boulevard and Imperial Highway (Lynwood), Wilshire Boulevard and Veteran Avenue (Westwood), Sunset Boulevard and Highland Avenue (Hollywood), and La Cienega Boulevard and Century Boulevard (Inglewood). The busiest intersection evaluated was at Wilshire Boulevard and Veteran

Avenue, which has a traffic volume of approximately 100,000 vehicles per day. Despite this level of traffic, the CO analysis concluded that there was no violation of CO standards (SCAQMD 1992). In order to establish a more accurate record of baseline CO concentrations affecting the Los Angeles, a CO "hot spot" analysis was conducted in 2003 at the same four busy intersections in Los Angeles at the peak morning and afternoon time periods. This "hot spot" analysis did not predict any violation of CO standards. The highest one-hour concentration was measured at 4.6 ppm at Wilshire Boulevard and Veteran Avenue and the highest eight-hour concentration was measured at 8.4 ppm at Long Beach Boulevard and Imperial Highway. Thus, there was no violation of CO standards.

Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the Bay Area Air Quality Management District (BAAQMD), the air pollution control officer for the San Francisco Bay Area, concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact.

According to the traffic study prepared by Michael Baker International (2022), the Project would result in approximately 1,728 daily traffic trips. Thus, the Proposed Project would not generate traffic volumes at any intersection of more than 100,000 vehicles per day (or 44,000 vehicles per day) and there is no likelihood of the Project traffic exceeding CO values.

#### *2.3.3.5 Odors*

Typically, odors are regarded as an annoyance rather than a health hazard. However, manifestations of a person's reaction to foul odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache).

With respect to odors, the human nose is the sole sensing device. The ability to detect odors varies considerably among the population and overall is quite subjective. Some individuals have the ability to smell minute quantities of specific substances; others may not have the same sensitivity but may have sensitivities to odors of other substances. In addition, people may have different reactions to the same odor; in fact, an odor that is offensive to one person (e.g., from a fast-food restaurant) may be perfectly acceptable to another. It is also important to note that an unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. This is because of the phenomenon known as odor fatigue, in which a person can become desensitized to almost any odor and recognition only occurs with an alteration in the intensity.

Quality and intensity are two properties present in any odor. The quality of an odor indicates the nature of the smell experience. For instance, if a person describes an odor as flowery or sweet, then the person is describing the quality of the odor. Intensity refers to the strength of the odor. For example, a person may use the word "strong" to describe the intensity of an odor. Odor intensity depends on the odorant concentration in the air. When an odorous sample is progressively diluted, the odorant concentration decreases. As this occurs, the odor intensity weakens and eventually becomes so low that the detection or recognition of the odor is quite difficult. At some point during dilution, the concentration of the odorant

reaches a detection threshold. An odorant concentration below the detection threshold means that the concentration in the air is not detectable by the average human.

During construction, the Proposed Project presents the potential for generation of objectionable odors in the form of diesel exhaust in the immediate vicinity of the site. However, these emissions are short-term in nature and will rapidly dissipate and be diluted by the atmosphere downwind of the emission sources. Additionally, odors would be localized and generally confined to the Project Area, which is generally devoid of surrounding receptors. Therefore, odors generated during Project construction would not adversely affect a substantial number of people to odor emissions.

Land uses commonly considered to be potential sources of obnoxious odorous emissions include agriculture (farming and livestock), wastewater treatment plants, food processing plants, chemical plants, composting facilities, refineries, landfills, dairies, and fiberglass molding. The Proposed Project does not include any uses identified as being associated with odors.

# 3.0 GREENHOUSE GAS EMISSIONS

## 3.1 Greenhouse Gas Setting

Certain gases in the earth's atmosphere, classified as GHGs, play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space. A portion of the radiation is absorbed by the earth's surface and a smaller portion of this radiation is reflected back toward space. This absorbed radiation is then emitted from the earth as low-frequency infrared radiation. The frequencies at which bodies emit radiation are proportional to temperature. Because the earth has a much lower temperature than the sun, it emits lower-frequency radiation. Most solar radiation passes through GHGs; however, infrared radiation is absorbed by these gases. As a result, radiation that otherwise would have escaped back into space is instead trapped, resulting in a warming of the atmosphere. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate on earth. Without the greenhouse effect, the earth would not be able to support life as we know it.

Prominent GHGs contributing to the greenhouse effect are $CO_2$, methane ($CH_4$), and $N_2O$. Fluorinated gases also make up a small fraction of the GHGs that contribute to climate change. Fluorinated gases include chlorofluorocarbons, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride; however, it is noted that these gases are not associated with typical land use development. Human-caused emissions of these GHGs in excess of natural ambient concentrations are believed to be responsible for intensifying the greenhouse effect and leading to a trend of unnatural warming of the earth's climate, known as global climate change or global warming. It is "extremely likely" that more than half of the observed increase in global average surface temperature from 1951 to 2010 was caused by the anthropogenic increase in GHG concentrations and other anthropogenic factors together (Intergovernmental Panel on Climate Change [IPCC] 2014).

Table 3-1 describes the primary GHGs attributed to global climate change, including their physical properties, primary sources, and contributions to the greenhouse effect.

Each GHG differs in its ability to absorb heat in the atmosphere based on the lifetime, or persistence, of the gas molecule in the atmosphere. $CH_4$ traps over 25 times more heat per molecule than $CO_2$, and $N_2O$ absorbs 298 times more heat per molecule than $CO_2$ (IPCC 2014). Often, estimates of GHG emissions are presented in carbon dioxide equivalents ($CO_2e$), which weight each gas by its global warming potential. Expressing GHG emissions in $CO_2e$ takes the contribution of all GHG emissions to the greenhouse effect and converts them to a single unit equivalent to the effect that would occur if only $CO_2$ were being emitted.

Climate change is a global problem. GHGs are global pollutants, unlike criteria air pollutants and TACs, which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about one day), GHGs have long atmospheric lifetimes (one to several thousand years). GHGs persist in the atmosphere for long enough time periods to be dispersed around the globe. Although the exact lifetime of any particular GHG molecule is dependent on multiple variables and cannot be pinpointed, it is understood that more $CO_2$ is emitted into the atmosphere than is sequestered by ocean uptake, vegetation, or other forms. Of the total annual human-caused $CO_2$ emissions, approximately 55 percent is sequestered through ocean and land uptakes every year, averaged over the

last 50 years, whereas the remaining 45 percent of human-caused $CO_2$ emissions remains stored in the atmosphere (IPCC 2014).

**Table 3-1. Greenhouse Gases**

| Greenhouse Gas | Description |
|---|---|
| $CO_2$ | Carbon dioxide is a colorless, odorless gas. $CO_2$ is emitted in a number of ways, both naturally and through human activities. The largest source of $CO_2$ emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, industrial facilities, and other sources. A number of specialized industrial production processes and product uses such as mineral production, metal production, and the use of petroleum-based products can also lead to $CO_2$ emissions. The atmospheric lifetime of $CO_2$ is variable because it is so readily exchanged in the atmosphere.[1] |
| $CH_4$ | Methane is a colorless, odorless gas and is the major component of natural gas, about 87 percent by volume. It is also formed and released to the atmosphere by biological processes occurring in anaerobic environments. Methane is emitted from a variety of both human-related and natural sources. Human-related sources include fossil fuel production, animal husbandry (intestinal fermentation in livestock and manure management), rice cultivation, biomass burning, and waste management. These activities release significant quantities of $CH_4$ to the atmosphere. Natural sources of $CH_4$ include wetlands, gas hydrates, permafrost, termites, oceans, freshwater bodies, non-wetland soils, and other sources such as wildfires. The atmospheric lifetime of $CH_4$ is about12 years.[2] |
| $N_2O$ | Nitrous oxide is a clear, colorless gas with a slightly sweet odor. Nitrous oxide is produced by both natural and human-related sources. Primary human-related sources of $N_2O$ are agricultural soil management, animal manure management, sewage treatment, mobile and stationary combustion of fossil fuels, adipic acid production, and nitric acid production. $N_2O$ is also produced naturally from a wide variety of biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of $N_2O$ is approximately 120 years.[3] |

Sources: [1]USEPA 2016a, [2] USEPA 2016b, [3] USEPA 2016c

The quantity of GHGs that it takes to ultimately result in climate change is not precisely known; it is sufficient to say the quantity is enormous, and no single project alone would measurably contribute to a noticeable incremental change in the global average temperature or to global, local, or microclimates. From the standpoint of CEQA, GHG impacts to global climate change are inherently cumulative.

### 3.1.1 Sources of Greenhouse Gas Emissions

In 2022, CARB released the 2022 edition of the California GHG inventory covering calendar year 2020 emissions. In 2020, California emitted 369.2 million gross metric tons of $CO_2e$ including from imported electricity. Combustion of fossil fuel in the transportation sector was the single largest source of California's GHG emissions in 2020, accounting for approximately 38 percent of total GHG emissions in the state. Continuing the downward trend from previous years, transportation emissions decreased 27 million metric tons of $CO_2e$ in 2020, though the intensity of this decrease was most likely from light duty vehicles after shelter-in-place orders were enacted in response to the COVID-19 pandemic. Emissions from the electricity sector account for 16 percent of the inventory and have remained at a similar level as in 2019 despite a 44

percent decrease in in-state hydropower generation (due to below average precipitation levels), which was more than compensated for by a 10 percent growth in in-state solar generation and cleaner imported electricity incentivized by California's clean energy policies. California's industrial sector accounts for the second largest source of the state's GHG emissions in 2020, accounting for 23 percent (CARB 2022c).

## 3.2 Regulatory Framework

### 3.2.1 State

#### *3.2.1.1 Executive Order S-3-05*

Executive Order (EO) S-3-05, signed by Governor Arnold Schwarzenegger in 2005, proclaims that California is vulnerable to the impacts of climate change. It declares that increased temperatures could reduce the Sierra Nevada snowpack, further exacerbate California's air quality problems, and potentially cause a rise in sea levels. To combat those concerns, the EO established total GHG emission targets for the state. Specifically, emissions are to be reduced to the 2000 level by 2010, the 1990 level by 2020, and to 80 percent below the 1990 level by 2050.

#### *3.2.1.2 Assembly Bill 32 Climate Change Scoping Plan and Updates*

In 2006, the California legislature passed Assembly Bill (AB) 32 (Health and Safety Code § 38500 et seq., or AB 32), also known as the Global Warming Solutions Act. AB 32 required CARB to design and implement feasible and cost-effective emission limits, regulations, and other measures, such that statewide GHG emissions are reduced to 1990 levels by 2020 (representing a 25 percent reduction in emissions). Pursuant to AB 32, CARB adopted a Scoping Plan in December 2008, which outlined measures to meet the 2020 GHG reduction goals. California exceeded the target of reducing GHG emissions to 1990 levels by the year 2017.

The Scoping Plan is required by AB 32 to be updated at least every five years. The latest update, the 2017 Scoping Plan Update, addresses the 2030 target established by Senate Bill (SB) 32 as discussed below and establishes a proposed framework of action for California to meet a 40 percent reduction in GHG emissions by 2030 compared to 1990 levels. The key programs that the Scoping Plan Update builds on include increasing the use of renewable energy in the State, the Cap-and-Trade Regulation, the Low Carbon Fuel Standard, and reduction of methane emissions from agricultural and other wastes.

#### *3.2.1.3 Senate Bill 32 and Assembly Bill 197 of 2016*

In August 2016, Governor Brown signed SB 32 and AB 197, which serve to extend California's GHG reduction programs beyond 2020. SB 32 amended the Health and Safety Code to include § 38566, which contains language to authorize CARB to achieve a statewide GHG emission reduction of at least 40 percent below 1990 levels by no later than December 31, 2030.

#### *3.2.1.4 Senate Bill 100 of 2018*

In 2018, SB 100 was signed by Governor Brown, codifying a goal of 60 percent renewable procurement by 2030 and 100 percent by 2045 Renewables Portfolio Standard.

#### *3.2.1.5 2022 Building Energy Efficiency Standards for Residential and Nonresidential Buildings*

The Building and Efficiency Standards (Energy Standards) were first adopted and put into effect in 1978 and have been updated periodically in the intervening years. These standards are a unique California asset that have placed the State on the forefront of energy efficiency, sustainability, energy independence and climate change issues. The 2022 California Building Codes include provisions related to energy efficiency to reduce energy consumption and greenhouse gas emissions from buildings. Some of the key energy efficiency components of the codes are:

1. Energy Performance Requirements: The codes specify minimum energy performance standards for the building envelope, lighting, heating and cooling systems, and other components.
2. Lighting Efficiency: The codes require that lighting systems meet minimum efficiency standards, such as the use of energy-efficient light bulbs and fixtures.
3. HVAC Systems: The codes establish requirements for heating, ventilation, and air conditioning (HVAC) systems, including the use of high-efficiency equipment, duct sealing, and controls.
4. Building Envelope: The codes include provisions for insulation, air sealing, glazing, and other building envelope components to reduce energy loss and improve indoor comfort.
5. Renewable Energy: The codes encourage the use of renewable energy systems, such as photovoltaic panels and wind turbines, to reduce dependence on non-renewable energy sources.
6. Commissioning: The codes require the commissioning of building energy systems to ensure that they are installed and operate correctly and efficiently.

Overall, the energy efficiency provisions of the 2022 California Building Codes aim to reduce the energy consumption of buildings, lower energy costs for building owners and occupants, and reduce the environmental impact of the built environment. The 2022 Building Energy Efficiency Standards improve upon the 2019 Energy Standards for new construction of, and additions and alterations to, residential and nonresidential buildings. The exact amount by which the 2022 Building Codes are more efficient compared to the 2019 Building Codes would depend on the specific provisions that have been updated and the specific building being considered. However, in general, the 2022 Building Codes have been updated to include increased requirements for energy efficiency, such as higher insulation and air sealing standards, which are intended to result in more efficient buildings. The 2022 standards are a major step toward meeting Zero Net Energy.

## 3.3 Greenhouse Gas Emissions Impact Assessment

### 3.3.1 Thresholds of Significance

The impact analysis provided below is based on the following CEQA Guidelines Appendix G thresholds of significance. The Project would result in a significant impact to greenhouse gas emissions if it would:

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

2) Conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases or

The Appendix G thresholds for GHG's do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA. With respect to GHG emissions, the CEQA Guidelines § 15064.4(a) states that lead agencies "shall make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" GHG emissions resulting from a project. The CEQA Guidelines note that an agency has the discretion to either quantify a project's GHG emissions or rely on a "qualitative analysis or other performance-based standards." (14 California Code of Regulations [CCR] 15064.4(b)). A lead agency may use a "model or methodology" to estimate GHG emissions and has the discretion to select the model or methodology it considers "most appropriate to enable decision makers to intelligently take into account the project's incremental contribution to climate change." (14 CCR 15064.4(c)). Section 15064.4(b) provides that the lead agency should consider the following when determining the significance of impacts from GHG emissions on the environment:

1. The extent a project may increase or reduce GHG emissions as compared to the existing environmental setting.
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
3. The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (14 CCR 15064.4(b)).

In addition, Section 15064.7(c) of the CEQA Guidelines specifies that "[w]hen adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence" (14 CCR 15064.7(c)). The CEQA Guidelines also clarify that the effects of GHG emissions are cumulative and should be analyzed in the context of CEQA's requirements for cumulative impact analysis (see CEQA Guidelines § 15130(f)). As a note, the CEQA Guidelines were amended in response to SB 97. In particular, the CEQA Guidelines were amended to specify that compliance with a GHG emissions reduction plan renders a cumulative impact insignificant.

Per CEQA Guidelines § 15064(h)(3), a project's incremental contribution to a cumulative impact can be found not cumulatively considerable if the project would comply with an approved plan or mitigation program that provides specific requirements that would avoid or substantially lessen the cumulative problem within the geographic area of the project. To qualify, such plans or programs must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to

implement, interpret, or make specific the law enforced or administered by the public agency. Examples of such programs include a "water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plans [and] plans or regulations for the reduction of greenhouse gas emissions." Put another way, CEQA Guidelines § 15064(h)(3) allows a lead agency to make a finding of less than significant for GHG emissions if a project complies with adopted programs, plans, policies and/or other regulatory strategies to reduce GHG emissions.

The significance of the Project's GHG emissions is evaluated consistent with CEQA Guidelines § 15064.4(b)(2) by considering whether the Project complies with applicable plans, policies, regulations and requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. The ICAPCD has not adopted a GHG significance threshold yet recommends the 100,000-metric ton of $CO_2e$ threshold established by the Mojave Desert Air Quality Management District (MDAQMD). As previously described, Section 15064.7(c) of the CEQA Guidelines specifies that "[w]hen adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies, or recommended by experts, provided the decision of the lead agency to adopt such thresholds is supported by substantial evidence" (14 CCR 15064.7(c)). This ICAPCD-recommended threshold is appropriate as the MDAQMD GHG thresholds were formulated based on similar geography and climate patterns as found in Imperial County. Therefore, the 100,000-metric ton of $CO_2e$ threshold is appropriate for this analysis.

In *Center for Biological Diversity v. Department of Fish and Wildlife* (2015) 62 Cal. 4th 2014, 213, 221, 227, following its review of various potential GHG thresholds proposed in an academic study [Crockett, *Addressing the Significance of Greenhouse Gas Emissions: California's Search for Regulatory Certainty in an Uncertain World* (July 2011), 4 Golden Gate U. Envtl. L. J. 203], the California Supreme Court identified the use of numeric bright-line thresholds as a potential pathway for compliance with CEQA GHG requirements. The study found numeric bright line thresholds designed to determine when small projects were so small as to not cause a cumulatively considerable impact on global climate change was consistent with CEQA. Specifically, Public Resources Code section 21003(f) provides it is a policy of the state that "[a]ll persons and public agencies involved in the environmental review process be responsible for carrying out the process in the most efficient, expeditious manner in order to conserve the available financial, governmental, physical and social resources with the objective that those resources may be better applied toward the mitigation of actual significant effects on the environment." The Supreme Court-reviewed study noted, "[s]ubjecting the smallest projects to the full panoply of CEQA requirements, even though the public benefit would be minimal, would not be consistent with implementing the statute in the most efficient, expeditious manner. Nor would it be consistent with applying lead agencies' scarce resources toward mitigating actual significant climate change impacts." (Crockett, *Addressing the Significance of Greenhouse Gas Emissions: California's Search for Regulatory Certainty in an Uncertain World* (July 2011), 4 Golden Gate U. Envtl. L. J. 203, 221, 227.)

### 3.3.2 Methodology

Where GHG emission quantification was required, emissions were modeled using CalEEMod, version 2022.1. CalEEMod is a statewide land use emissions computer model designed to quantify potential GHG emissions associated with both construction and operations from a variety of land use projects. Project construction generated GHG emissions were calculated using CalEEMod model defaults for Imperial County. Operational

GHG emissions were based on the Project Site plans and the Project traffic study from Michael Baker International.

### 3.3.3 Impact Analysis

#### *3.3.3.1 Generation of GHG Emissions*

**Project Construction**

Construction-related activities that would generate GHG emissions include worker commute trips, haul trucks carrying supplies and materials to and from the Project Site, and off-road construction equipment (e.g., dozers, loaders, excavators). Table 3-2 illustrates the specific construction generated GHG emissions that would result from construction of the Project. Once construction is complete, the generation of these GHG emissions would cease.

**Table 3-2. Construction-Related Greenhouse Gas Emissions**

| Emissions Source | $CO_2e$ (Metric Tons/Year) |
|---|---|
| Construction Calendar Year One | 1,160 |
| Construction Calendar Year Two | 1,742 |
| Construction Calendar Year Three | 653 |
| *Significance Threshold* | *100,000* |
| ***Exceed Significance Threshold?*** | **No** |

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.

As shown in Table 3-2, Project would result in the generation of approximately 1,160 metric tons of $CO_2e$ in the first calendar year of construction, 1,742 metric tons in the second calendar year of construction, and 653 metric tons in the third calendar year of construction. Therefore, Project GHG emissions would not exceed the significance threshold.

**Operations**

Operation of the Project would result in an increase in GHG emissions solely associated with motor vehicle trips. Long-term GHG emissions attributed to operations of the Project are identified in Table 3-3.

| **Table 3-3. Operational-Related Greenhouse Gas Emissions** | |
|---|---|
| **Emission Source** | **$CO_2e$ (Metric Tons/ Year)** |
| Area Source | 13 |
| Energy | 2,909 |
| Mobile | 1,571 |
| Waste | 257 |
| Water | 418 |
| Refrigerant | 3,309 |
| **Total** | **8,476** |
| *Significance Threshold* | *100,000* |
| **Exceed Significance Threshold?** | **No** |

Source: CalEEMod version 2022.1. Refer to Attachment A for Model Data Outputs.

As shown in Table 3-3, operational-generated emissions would not exceed the significance threshold of 100,000 metric tons of $CO_2e$ annually.

#### *3.3.3.2 Conflict with any Applicable Plan, Policy, or Regulation of an Agency Adopted for the Purpose of Reducing the Emissions of Greenhouse Gases*

The City of El Centro does not currently have an adopted plan for the purpose of reducing GHG emissions. The Proposed Project is subject to compliance with SB 32 and as discussed previously, the Proposed Project-generated GHG emissions would not surpass the ICAPCD-recommended GHG significance threshold, which was prepared with the purpose of complying with statewide GHG-reduction efforts. The Project would not conflict with any adopted plans, policies, or regulations adopted for the purpose of reducing GHG emissions.

# 4.0 REFERENCES

CAPCOA (California Air Pollution Control Officers Association). 2022. California Emissions Estimator Model (CalEEMod), version 2022.1.

_____. 2013. Health Effects. http://www.capcoa.org/health-effects/.

CARB (California Air Resources Board). 2022a. Air Quality Data Statistics. http://www.arb.ca.gov/adam/index.html.

_____. 2022b. State and Federal Area Designation Maps. http://www.arb.ca.gov/desig/adm/adm.htm.

_____. 2022c. California Greenhouse Gas Emission Inventory 2022 Edition. https://ww2.arb.ca.gov/ghg-inventory-data

Crockett, Alexander G. 2011. Addressing the Significance of Greenhouse Gas Emissions Under CEQA: California's Search for Regulatory Certainty in an Uncertain World.

El Centro, City of. 2004. City of El Centro General Plan.

IPCC (Intergovernmental Panel on Climate Change). 2014. Climate Change 2014 Synthesis Report: Approved Summary for Policymakers. http://www.ipcc.ch/.

_____. 2013. Carbon and Other Biogeochemical Cycles. In: Climate Change 2013: The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. http://www.climatechange2013.org/ images/report/WG1AR5_ALL_FINAL.pdf.

ICAPCD (Imperial County Air Pollution Control District). 2017. Air Quality Handbook.

SCAQMD (South Coast Air Quality Management District). 2003. Air Quality Management Plan.

_____. 1992. 1992 Federal Attainment Plan for Carbon Monoxide.

USEPA (U.S. Environmental Protection Agency). 2016a. Climate Change – Greenhouse Gas Emissions: Carbon Dioxide. http://www.epa.gov/climatechange/emissions/co2.html.

_____. 2016b. Methane. https://www3.epa.gov/climatechange/ghgemissions/gases/ch4.html.

_____. 2016c. Nitrous Oxide. https://www3.epa.gov/climatechange/ghgemissions/gases/n2o.html.

_____. 2002. Health Assessment Document for Diesel Engine Exhaust. https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=300055PV.TXT.

## LIST OF ATTACHMENTS

Attachment A – CalEEMod Output Files Criteria Air Pollutants & Greenhouse Gas Emissions

# ATTACHMENT A

CalEEMod Output Files Criteria Air Pollutants & Greenhouse Gas Emissions

# El Centro Town Center 2 Single Family Project - Unmitigated Detailed Report

## Table of Contents

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | El Centro Town Center 2 Single Family Project - Unmitigated |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 3.40 |
| Precipitation (days) | 4.80 |
| Location | 32.8163622034248, -115.56460653631078 |
| County | Imperial |
| City | El Centro |
| Air District | Imperial County APCD |
| Air Basin | Salton Sea |
| TAZ | 5606 |
| EDFZ | 19 |
| Electric Utility | Imperial Irrigation District |
| Gas Utility | Southern California Gas |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 104 | Dwelling Unit | 18.5 | 806,731 | 0.00 | — | 370 | — |
| Unrefrigerated Warehouse-No Rail | 750 | 1000sqft | 17.3 | 749,667 | 0.00 | — | — | — |

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

| Sector | # | Measure Title |
|---|---|---|
| Area Sources | AS-2 | Use Low-VOC Paints |

# 2. Emissions Summary

## 2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 7.28 | 175 | 38.1 | 99.8 | 0.12 | 1.27 | 11.5 | 12.1 | 1.18 | 3.12 | 4.30 | — | 21,642 | 21,642 | 0.62 | 1.62 | 61.5 | 22,170 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.05 | 175 | 30.0 | 47.0 | 0.08 | 0.98 | 7.59 | 7.96 | 0.91 | 1.83 | 2.43 | — | 13,858 | 13,858 | 0.47 | 0.87 | 0.99 | 14,130 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 3.49 | 31.1 | 18.1 | 36.6 | 0.05 | 0.54 | 5.35 | 5.89 | 0.50 | 1.40 | 1.91 | — | 10,284 | 10,284 | 0.31 | 0.73 | 11.1 | 10,521 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.64 | 5.67 | 3.31 | 6.68 | 0.01 | 0.10 | 0.98 | 1.08 | 0.09 | 0.26 | 0.35 | — | 1,703 | 1,703 | 0.05 | 0.12 | 1.84 | 1,742 |
| Exceeds (Daily Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Threshold | — | 75.0 | 100 | 550 | — | — | — | 150 | — | — | — | — | — | — | — | — | — | — |
| Unmit. | — | Yes | No | No | — | — | Yes | No | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Exceeds (Average Daily) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Threshold | — | 75.0 | 100 | 550 | — | — | — | 150 | — | — | — | — | — | — | — | — | — | — |
| Unmit. | — | No | No | No | — | — | Yes | No | — | — | — | — | — | — | — | — | — | — |

## 2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Year | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 3.87 | 3.35 | 26.2 | 53.1 | 0.10 | 0.85 | 5.75 | 6.40 | 0.78 | 2.05 | 2.83 | — | 13,359 | 13,359 | 0.30 | 1.60 | 32.5 | 13,865 |
| 2025 | 7.28 | 175 | 38.1 | 99.8 | 0.12 | 1.27 | 11.5 | 12.1 | 1.18 | 3.12 | 4.30 | — | 21,642 | 21,642 | 0.62 | 1.62 | 61.5 | 22,170 |
| 2026 | 3.45 | 3.08 | 13.0 | 47.0 | 0.05 | 0.32 | 5.75 | 6.07 | 0.29 | 1.40 | 1.69 | — | 10,943 | 10,943 | 0.32 | 0.76 | 27.8 | 11,205 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 3.17 | 2.64 | 20.7 | 33.8 | 0.04 | 0.85 | 5.75 | 6.05 | 0.78 | 1.40 | 1.68 | — | 9,851 | 9,851 | 0.32 | 0.78 | 0.84 | 10,093 |
| 2025 | 5.05 | 175 | 30.0 | 47.0 | 0.08 | 0.98 | 7.59 | 7.96 | 0.91 | 1.83 | 2.43 | — | 13,858 | 13,858 | 0.47 | 0.87 | 0.99 | 14,130 |
| 2026 | 2.98 | 171 | 13.7 | 30.4 | 0.05 | 0.32 | 5.75 | 6.07 | 0.29 | 1.40 | 1.69 | — | 10,122 | 10,122 | 0.33 | 0.76 | 0.72 | 10,357 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 2.02 | 1.74 | 13.2 | 20.8 | 0.04 | 0.41 | 3.21 | 3.61 | 0.38 | 0.89 | 1.27 | — | 6,819 | 6,819 | 0.18 | 0.59 | 6.86 | 7,007 |
| 2025 | 3.49 | 31.1 | 18.1 | 36.6 | 0.05 | 0.54 | 5.35 | 5.89 | 0.50 | 1.40 | 1.91 | — | 10,284 | 10,284 | 0.31 | 0.73 | 11.1 | 10,521 |
| 2026 | 1.19 | 29.3 | 5.33 | 13.6 | 0.02 | 0.13 | 2.07 | 2.20 | 0.12 | 0.50 | 0.62 | — | 3,855 | 3,855 | 0.12 | 0.27 | 4.34 | 3,945 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 0.37 | 0.32 | 2.41 | 3.80 | 0.01 | 0.07 | 0.59 | 0.66 | 0.07 | 0.16 | 0.23 | — | 1,129 | 1,129 | 0.03 | 0.10 | 1.14 | 1,160 |
| 2025 | 0.64 | 5.67 | 3.31 | 6.68 | 0.01 | 0.10 | 0.98 | 1.08 | 0.09 | 0.26 | 0.35 | — | 1,703 | 1,703 | 0.05 | 0.12 | 1.84 | 1,742 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2026 | 0.22 | 5.35 | 0.97 | 2.49 | < 0.005 | 0.02 | 0.38 | 0.40 | 0.02 | 0.09 | 0.11 | — | 638 | 638 | 0.02 | 0.05 | 0.72 | 653 |

## 2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Year | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 3.87 | 3.35 | 26.2 | 53.1 | 0.10 | 0.85 | 5.75 | 6.40 | 0.78 | 2.05 | 2.83 | — | 13,359 | 13,359 | 0.30 | 1.60 | 32.5 | 13,865 |
| 2025 | 7.28 | 175 | 38.1 | 99.8 | 0.12 | 1.27 | 11.5 | 12.1 | 1.18 | 3.12 | 4.30 | — | 21,642 | 21,642 | 0.62 | 1.62 | 61.5 | 22,170 |
| 2026 | 3.45 | 3.08 | 13.0 | 47.0 | 0.05 | 0.32 | 5.75 | 6.07 | 0.29 | 1.40 | 1.69 | — | 10,943 | 10,943 | 0.32 | 0.76 | 27.8 | 11,205 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 3.17 | 2.64 | 20.7 | 33.8 | 0.04 | 0.85 | 5.75 | 6.05 | 0.78 | 1.40 | 1.68 | — | 9,851 | 9,851 | 0.32 | 0.78 | 0.84 | 10,093 |
| 2025 | 5.05 | 175 | 30.0 | 47.0 | 0.08 | 0.98 | 7.59 | 7.96 | 0.91 | 1.83 | 2.43 | — | 13,858 | 13,858 | 0.47 | 0.87 | 0.99 | 14,130 |
| 2026 | 2.98 | 171 | 13.7 | 30.4 | 0.05 | 0.32 | 5.75 | 6.07 | 0.29 | 1.40 | 1.69 | — | 10,122 | 10,122 | 0.33 | 0.76 | 0.72 | 10,357 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 2.02 | 1.74 | 13.2 | 20.8 | 0.04 | 0.41 | 3.21 | 3.61 | 0.38 | 0.89 | 1.27 | — | 6,819 | 6,819 | 0.18 | 0.59 | 6.86 | 7,007 |
| 2025 | 3.49 | 31.1 | 18.1 | 36.6 | 0.05 | 0.54 | 5.35 | 5.89 | 0.50 | 1.40 | 1.91 | — | 10,284 | 10,284 | 0.31 | 0.73 | 11.1 | 10,521 |
| 2026 | 1.19 | 29.3 | 5.33 | 13.6 | 0.02 | 0.13 | 2.07 | 2.20 | 0.12 | 0.50 | 0.62 | — | 3,855 | 3,855 | 0.12 | 0.27 | 4.34 | 3,945 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 0.37 | 0.32 | 2.41 | 3.80 | 0.01 | 0.07 | 0.59 | 0.66 | 0.07 | 0.16 | 0.23 | — | 1,129 | 1,129 | 0.03 | 0.10 | 1.14 | 1,160 |
| 2025 | 0.64 | 5.67 | 3.31 | 6.68 | 0.01 | 0.10 | 0.98 | 1.08 | 0.09 | 0.26 | 0.35 | — | 1,703 | 1,703 | 0.05 | 0.12 | 1.84 | 1,742 |
| 2026 | 0.22 | 5.35 | 0.97 | 2.49 | < 0.005 | 0.02 | 0.38 | 0.40 | 0.02 | 0.09 | 0.11 | — | 638 | 638 | 0.02 | 0.05 | 0.72 | 653 |

## 2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 14.7 | 52.5 | 9.85 | 91.1 | 0.13 | 0.48 | 3.13 | 3.61 | 0.49 | 0.55 | 1.04 | 785 | 28,737 | 29,522 | 81.2 | 1.43 | 20,014 | 51,991 |
| Mit. | 14.7 | 49.2 | 9.85 | 91.1 | 0.13 | 0.48 | 3.13 | 3.61 | 0.49 | 0.55 | 1.04 | 785 | 28,737 | 29,522 | 81.2 | 1.43 | 20,014 | 51,991 |
| % Reduced | — | 6% | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 6.64 | 44.9 | 10.0 | 38.7 | 0.12 | 0.44 | 3.13 | 3.57 | 0.43 | 0.55 | 0.98 | 785 | 27,397 | 28,182 | 81.2 | 1.43 | 19,985 | 50,624 |
| Mit. | 6.64 | 41.6 | 10.0 | 38.7 | 0.12 | 0.44 | 3.13 | 3.57 | 0.43 | 0.55 | 0.98 | 785 | 27,397 | 28,182 | 81.2 | 1.43 | 19,985 | 50,624 |
| % Reduced | — | 7% | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 10.3 | 48.3 | 10.0 | 61.5 | 0.12 | 0.46 | 3.13 | 3.59 | 0.46 | 0.55 | 1.01 | 785 | 27,957 | 28,742 | 81.2 | 1.43 | 19,997 | 51,195 |
| Mit. | 10.3 | 45.0 | 10.0 | 61.5 | 0.12 | 0.46 | 3.13 | 3.59 | 0.46 | 0.55 | 1.01 | 785 | 27,957 | 28,742 | 81.2 | 1.43 | 19,997 | 51,195 |
| % Reduced | — | 7% | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.87 | 8.82 | 1.83 | 11.2 | 0.02 | 0.08 | 0.57 | 0.66 | 0.08 | 0.10 | 0.18 | 130 | 4,629 | 4,759 | 13.4 | 0.24 | 3,311 | 8,476 |
| Mit. | 1.87 | 8.22 | 1.83 | 11.2 | 0.02 | 0.08 | 0.57 | 0.66 | 0.08 | 0.10 | 0.18 | 130 | 4,629 | 4,759 | 13.4 | 0.24 | 3,311 | 8,476 |
| % Reduced | — | 7% | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Exceeds (Daily Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Threshold | — | 137 | 137 | 550 | 150 | — | — | 150 | — | — | 550 | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmit. | — | No | No | No | No | — | — | No | — | — | No | — | — | — | — | — | — | — |
| Mit. | — | No | No | No | No | — | — | No | — | — | No | — | — | — | — | — | — | — |
| Exceeds (Average Daily) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Threshold | — | 137 | 137 | 550 | 150 | — | — | 150 | — | — | 550 | — | — | — | — | — | — | — |
| Unmit. | — | No | No | No | No | — | — | No | — | — | No | — | — | — | — | — | — | — |
| Mit. | — | No | No | No | No | — | — | No | — | — | No | — | — | — | — | — | — | — |

## 2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Sector | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 7.83 | 7.46 | 4.74 | 49.0 | 0.10 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 10,030 | 10,030 | 0.39 | 0.46 | 29.8 | 10,206 |
| Area | 6.35 | 44.8 | 0.33 | 38.5 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | — | 150 | 150 | 0.01 | 0.01 | — | 154 |
| Energy | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 17,501 | 17,501 | 1.36 | 0.11 | — | 17,569 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Total | 14.7 | 52.5 | 9.85 | 91.1 | 0.13 | 0.48 | 3.13 | 3.61 | 0.49 | 0.55 | 1.04 | 785 | 28,737 | 29,522 | 81.2 | 1.43 | 20,014 | 51,991 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 6.11 | 5.73 | 5.27 | 35.0 | 0.09 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 8,840 | 8,840 | 0.43 | 0.47 | 0.77 | 8,993 |
| Area | — | 38.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 17,501 | 17,501 | 1.36 | 0.11 | — | 17,569 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Waste | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Total | 6.64 | 44.9 | 10.0 | 38.7 | 0.12 | 0.44 | 3.13 | 3.57 | 0.43 | 0.55 | 0.98 | 785 | 27,397 | 28,182 | 81.2 | 1.43 | 19,985 | 50,624 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 6.61 | 6.24 | 5.07 | 38.9 | 0.09 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 9,326 | 9,326 | 0.40 | 0.46 | 12.9 | 9,487 |
| Area | 3.13 | 41.8 | 0.16 | 19.0 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | — | 73.9 | 73.9 | < 0.005 | 0.01 | — | 76.0 |
| Energy | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 17,501 | 17,501 | 1.36 | 0.11 | — | 17,569 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Total | 10.3 | 48.3 | 10.0 | 61.5 | 0.12 | 0.46 | 3.13 | 3.59 | 0.46 | 0.55 | 1.01 | 785 | 27,957 | 28,742 | 81.2 | 1.43 | 19,997 | 51,195 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.21 | 1.14 | 0.93 | 7.09 | 0.02 | 0.01 | 0.57 | 0.58 | 0.01 | 0.10 | 0.11 | — | 1,544 | 1,544 | 0.07 | 0.08 | 2.13 | 1,571 |
| Area | 0.57 | 7.63 | 0.03 | 3.46 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | — | 12.6 |
| Energy | 0.10 | 0.05 | 0.87 | 0.66 | 0.01 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 2,898 | 2,898 | 0.22 | 0.02 | — | 2,909 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 56.5 | 175 | 231 | 5.81 | 0.14 | — | 418 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 73.5 | 0.00 | 73.5 | 7.35 | 0.00 | — | 257 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,309 | 3,309 |
| Total | 1.87 | 8.82 | 1.83 | 11.2 | 0.02 | 0.08 | 0.57 | 0.66 | 0.08 | 0.10 | 0.18 | 130 | 4,629 | 4,759 | 13.4 | 0.24 | 3,311 | 8,476 |

## 2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Sector | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 7.83 | 7.46 | 4.74 | 49.0 | 0.10 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 10,030 | 10,030 | 0.39 | 0.46 | 29.8 | 10,206 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Area | 6.35 | 41.5 | 0.33 | 38.5 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | — | 150 | 150 | 0.01 | 0.01 | — | 154 |
| Energy | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 17,501 | 17,501 | 1.36 | 0.11 | — | 17,569 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Total | 14.7 | 49.2 | 9.85 | 91.1 | 0.13 | 0.48 | 3.13 | 3.61 | 0.49 | 0.55 | 1.04 | 785 | 28,737 | 29,522 | 81.2 | 1.43 | 20,014 | 51,991 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 6.11 | 5.73 | 5.27 | 35.0 | 0.09 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 8,840 | 8,840 | 0.43 | 0.47 | 0.77 | 8,993 |
| Area | — | 35.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 17,501 | 17,501 | 1.36 | 0.11 | — | 17,569 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Total | 6.64 | 41.6 | 10.0 | 38.7 | 0.12 | 0.44 | 3.13 | 3.57 | 0.43 | 0.55 | 0.98 | 785 | 27,397 | 28,182 | 81.2 | 1.43 | 19,985 | 50,624 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 6.61 | 6.24 | 5.07 | 38.9 | 0.09 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 9,326 | 9,326 | 0.40 | 0.46 | 12.9 | 9,487 |
| Area | 3.13 | 38.5 | 0.16 | 19.0 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | — | 73.9 | 73.9 | < 0.005 | 0.01 | — | 76.0 |
| Energy | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 17,501 | 17,501 | 1.36 | 0.11 | — | 17,569 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Total | 10.3 | 45.0 | 10.0 | 61.5 | 0.12 | 0.46 | 3.13 | 3.59 | 0.46 | 0.55 | 1.01 | 785 | 27,957 | 28,742 | 81.2 | 1.43 | 19,997 | 51,195 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.21 | 1.14 | 0.93 | 7.09 | 0.02 | 0.01 | 0.57 | 0.58 | 0.01 | 0.10 | 0.11 | — | 1,544 | 1,544 | 0.07 | 0.08 | 2.13 | 1,571 |
| Area | 0.57 | 7.03 | 0.03 | 3.46 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | — | 12.6 |
| Energy | 0.10 | 0.05 | 0.87 | 0.66 | 0.01 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 2,898 | 2,898 | 0.22 | 0.02 | — | 2,909 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | — | — | — | — | — | — | — | — | — | — | — | 56.5 | 175 | 231 | 5.81 | 0.14 | — | 418 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 73.5 | 0.00 | 73.5 | 7.35 | 0.00 | — | 257 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,309 | 3,309 |
| Total | 1.87 | 8.22 | 1.83 | 11.2 | 0.02 | 0.08 | 0.57 | 0.66 | 0.08 | 0.10 | 0.18 | 130 | 4,629 | 4,759 | 13.4 | 0.24 | 3,311 | 8,476 |

# 3. Construction Emissions Details

## 3.1. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.37 | 1.99 | 19.8 | 16.5 | 0.03 | 0.83 | — | 0.83 | 0.77 | — | 0.77 | — | 3,563 | 3,563 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.37 | 1.99 | 19.8 | 16.5 | 0.03 | 0.83 | — | 0.83 | 0.77 | — | 0.77 | — | 3,563 | 3,563 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.42 | 0.36 | 3.52 | 2.93 | 0.01 | 0.15 | — | 0.15 | 0.14 | — | 0.14 | — | 634 | 634 | 0.03 | 0.01 | — | 637 |
| Dust From Material Movement | — | — | — | — | — | — | 0.11 | 0.11 | — | 0.01 | 0.01 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.08 | 0.06 | 0.64 | 0.54 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Dust From Material Movement | — | — | — | — | — | — | 0.02 | 0.02 | — | < 0.005 | < 0.005 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.06 | 0.05 | 0.96 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 118 | 118 | < 0.005 | < 0.005 | 0.44 | 120 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.75 | 0.19 | < 0.005 | 0.01 | 0.17 | 0.19 | 0.01 | 0.04 | 0.06 | — | 667 | 667 | 0.01 | 0.10 | 1.42 | 699 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.04 | 0.06 | 0.54 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 99.7 | 99.7 | 0.01 | < 0.005 | 0.01 | 101 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.02 | 0.01 | 0.83 | 0.19 | < 0.005 | 0.01 | 0.17 | 0.19 | 0.01 | 0.04 | 0.06 | — | 667 | 667 | 0.01 | 0.10 | 0.04 | 699 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.12 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 19.1 | 19.1 | < 0.005 | < 0.005 | 0.03 | 19.3 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.15 | 0.03 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 119 | 119 | < 0.005 | 0.02 | 0.11 | 124 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.16 | 3.16 | < 0.005 | < 0.005 | 0.01 | 3.20 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 19.7 | 19.7 | < 0.005 | < 0.005 | 0.02 | 20.6 |

## 3.2. Site Preparation (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.37 | 1.99 | 19.8 | 16.5 | 0.03 | 0.83 | — | 0.83 | 0.77 | — | 0.77 | — | 3,563 | 3,563 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.37 | 1.99 | 19.8 | 16.5 | 0.03 | 0.83 | — | 0.83 | 0.77 | — | 0.77 | — | 3,563 | 3,563 | 0.14 | 0.03 | — | 3,575 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.42 | 0.36 | 3.52 | 2.93 | 0.01 | 0.15 | — | 0.15 | 0.14 | — | 0.14 | — | 634 | 634 | 0.03 | 0.01 | — | 637 |
| Dust From Material Movement | — | — | — | — | — | — | 0.11 | 0.11 | — | 0.01 | 0.01 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.08 | 0.06 | 0.64 | 0.54 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Dust From Material Movement | — | — | — | — | — | — | 0.02 | 0.02 | — | < 0.005 | < 0.005 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.06 | 0.05 | 0.96 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 118 | 118 | < 0.005 | < 0.005 | 0.44 | 120 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.75 | 0.19 | < 0.005 | 0.01 | 0.17 | 0.19 | 0.01 | 0.04 | 0.06 | — | 667 | 667 | 0.01 | 0.10 | 1.42 | 699 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.05 | 0.04 | 0.06 | 0.54 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 99.7 | 99.7 | 0.01 | < 0.005 | 0.01 | 101 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.83 | 0.19 | < 0.005 | 0.01 | 0.17 | 0.19 | 0.01 | 0.04 | 0.06 | — | 667 | 667 | 0.01 | 0.10 | 0.04 | 699 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.12 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 19.1 | 19.1 | < 0.005 | < 0.005 | 0.03 | 19.3 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.15 | 0.03 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 119 | 119 | < 0.005 | 0.02 | 0.11 | 124 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.16 | 3.16 | < 0.005 | < 0.005 | 0.01 | 3.20 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 19.7 | 19.7 | < 0.005 | < 0.005 | 0.02 | 20.6 |

## 3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.14 | 1.80 | 17.0 | 15.1 | 0.03 | 0.71 | — | 0.71 | 0.65 | — | 0.65 | — | 3,562 | 3,562 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 2.14 | 1.80 | 17.0 | 15.1 | 0.03 | 0.71 | — | 0.71 | 0.65 | — | 0.65 | — | 3,562 | 3,562 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.38 | 0.32 | 3.03 | 2.68 | 0.01 | 0.13 | — | 0.13 | 0.12 | — | 0.12 | — | 634 | 634 | 0.03 | 0.01 | — | 637 |
| Dust From Material Movement | — | — | — | — | — | — | 0.11 | 0.11 | — | 0.01 | 0.01 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.06 | 0.55 | 0.49 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Dust From Material Movement | — | — | — | — | — | — | 0.02 | 0.02 | — | < 0.005 | < 0.005 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.05 | 0.88 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 116 | 116 | < 0.005 | < 0.005 | 0.41 | 117 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.58 | 0.15 | < 0.005 | 0.01 | 0.14 | 0.15 | 0.01 | 0.04 | 0.05 | — | 523 | 523 | < 0.005 | 0.08 | 1.13 | 549 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.04 | 0.06 | 0.50 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 97.6 | 97.6 | < 0.005 | < 0.005 | 0.01 | 98.8 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.64 | 0.15 | < 0.005 | 0.01 | 0.14 | 0.15 | 0.01 | 0.04 | 0.05 | — | 523 | 523 | < 0.005 | 0.08 | 0.03 | 548 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.11 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 18.7 | 18.7 | < 0.005 | < 0.005 | 0.03 | 18.9 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.11 | 0.03 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 93.1 | 93.1 | < 0.005 | 0.01 | 0.09 | 97.7 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.09 | 3.09 | < 0.005 | < 0.005 | 0.01 | 3.14 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.02 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 15.4 | 15.4 | < 0.005 | < 0.005 | 0.01 | 16.2 |

## 3.4. Site Preparation (2025) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.14 | 1.80 | 17.0 | 15.1 | 0.03 | 0.71 | — | 0.71 | 0.65 | — | 0.65 | — | 3,562 | 3,562 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.14 | 1.80 | 17.0 | 15.1 | 0.03 | 0.71 | — | 0.71 | 0.65 | — | 0.65 | — | 3,562 | 3,562 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.38 | 0.32 | 3.03 | 2.68 | 0.01 | 0.13 | — | 0.13 | 0.12 | — | 0.12 | — | 634 | 634 | 0.03 | 0.01 | — | 637 |
| Dust From Material Movement | — | — | — | — | — | — | 0.11 | 0.11 | — | 0.01 | 0.01 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.06 | 0.55 | 0.49 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Dust From Material Movement | — | — | — | — | — | — | 0.02 | 0.02 | — | < 0.005 | < 0.005 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.05 | 0.88 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 116 | 116 | < 0.005 | < 0.005 | 0.41 | 117 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.58 | 0.15 | < 0.005 | 0.01 | 0.14 | 0.15 | 0.01 | 0.04 | 0.05 | — | 523 | 523 | < 0.005 | 0.08 | 1.13 | 549 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.04 | 0.06 | 0.50 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 97.6 | 97.6 | < 0.005 | < 0.005 | 0.01 | 98.8 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.64 | 0.15 | < 0.005 | 0.01 | 0.14 | 0.15 | 0.01 | 0.04 | 0.05 | — | 523 | 523 | < 0.005 | 0.08 | 0.03 | 548 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.11 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 18.7 | 18.7 | < 0.005 | < 0.005 | 0.03 | 18.9 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.11 | 0.03 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 93.1 | 93.1 | < 0.005 | 0.01 | 0.09 | 97.7 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.09 | 3.09 | < 0.005 | < 0.005 | 0.01 | 3.14 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.02 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 15.4 | 15.4 | < 0.005 | < 0.005 | 0.01 | 16.2 |

## 3.5. Grading (2024) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.83 | 1.54 | 14.9 | 14.6 | 0.03 | 0.64 | — | 0.64 | 0.59 | — | 0.59 | — | 3,184 | 3,184 | 0.13 | 0.03 | — | 3,195 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 2.80 | 2.80 | — | 1.34 | 1.34 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.33 | 0.28 | 2.69 | 2.64 | 0.01 | 0.12 | — | 0.12 | 0.11 | — | 0.11 | — | 576 | 576 | 0.02 | < 0.005 | — | 578 |
| Dust From Material Movement | — | — | — | — | — | — | 0.51 | 0.51 | — | 0.24 | 0.24 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.05 | 0.49 | 0.48 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 95.3 | 95.3 | < 0.005 | < 0.005 | — | 95.7 |
| Dust From Material Movement | — | — | — | — | — | — | 0.09 | 0.09 | — | 0.04 | 0.04 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.10 | 0.09 | 0.09 | 1.59 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | — | 197 | 197 | 0.01 | 0.01 | 0.74 | 200 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.30 | 0.20 | 11.3 | 2.80 | 0.07 | 0.19 | 2.61 | 2.80 | 0.19 | 0.67 | 0.86 | — | 9,978 | 9,978 | 0.09 | 1.57 | 21.3 | 10,470 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.02 | 0.21 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 32.3 | 32.3 | < 0.005 | < 0.005 | 0.06 | 32.7 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.05 | 0.03 | 2.21 | 0.51 | 0.01 | 0.03 | 0.47 | 0.50 | 0.03 | 0.12 | 0.15 | — | 1,805 | 1,805 | 0.02 | 0.28 | 1.66 | 1,892 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 5.35 | 5.35 | < 0.005 | < 0.005 | 0.01 | 5.42 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.01 | 0.01 | 0.40 | 0.09 | < 0.005 | 0.01 | 0.09 | 0.09 | 0.01 | 0.02 | 0.03 | — | 299 | 299 | < 0.005 | 0.05 | 0.27 | 313 |

## 3.6. Grading (2024) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.83 | 1.54 | 14.9 | 14.6 | 0.03 | 0.64 | — | 0.64 | 0.59 | — | 0.59 | — | 3,184 | 3,184 | 0.13 | 0.03 | — | 3,195 |
| Dust From Material Movement | — | — | — | — | — | — | 2.80 | 2.80 | — | 1.34 | 1.34 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.33 | 0.28 | 2.69 | 2.64 | 0.01 | 0.12 | — | 0.12 | 0.11 | — | 0.11 | — | 576 | 576 | 0.02 | < 0.005 | — | 578 |
| Dust From Material Movement | — | — | — | — | — | — | 0.51 | 0.51 | — | 0.24 | 0.24 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.05 | 0.49 | 0.48 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 95.3 | 95.3 | < 0.005 | < 0.005 | — | 95.7 |
| Dust From Material Movement | — | — | — | — | — | — | 0.09 | 0.09 | — | 0.04 | 0.04 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.10 | 0.09 | 0.09 | 1.59 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | — | 197 | 197 | 0.01 | 0.01 | 0.74 | 200 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.30 | 0.20 | 11.3 | 2.80 | 0.07 | 0.19 | 2.61 | 2.80 | 0.19 | 0.67 | 0.86 | — | 9,978 | 9,978 | 0.09 | 1.57 | 21.3 | 10,470 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.02 | 0.21 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 32.3 | 32.3 | < 0.005 | < 0.005 | 0.06 | 32.7 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.05 | 0.03 | 2.21 | 0.51 | 0.01 | 0.03 | 0.47 | 0.50 | 0.03 | 0.12 | 0.15 | — | 1,805 | 1,805 | 0.02 | 0.28 | 1.66 | 1,892 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 5.35 | 5.35 | < 0.005 | < 0.005 | 0.01 | 5.42 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.01 | 0.01 | 0.40 | 0.09 | < 0.005 | 0.01 | 0.09 | 0.09 | 0.01 | 0.02 | 0.03 | — | 299 | 299 | < 0.005 | 0.05 | 0.27 | 313 |

## 3.7. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.69 | 2.26 | 20.9 | 19.7 | 0.04 | 0.90 | — | 0.90 | 0.83 | — | 0.83 | — | 4,273 | 4,273 | 0.17 | 0.03 | — | 4,287 |
| Dust From Material Movement | — | — | — | — | — | — | 2.78 | 2.78 | — | 1.34 | 1.34 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.49 | 0.41 | 3.78 | 3.57 | 0.01 | 0.16 | — | 0.16 | 0.15 | — | 0.15 | — | 773 | 773 | 0.03 | 0.01 | — | 775 |
| Dust From Material Movement | — | — | — | — | — | — | 0.50 | 0.50 | — | 0.24 | 0.24 | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.09 | 0.07 | 0.69 | 0.65 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 128 | 128 | 0.01 | < 0.005 | — | 128 |
| Dust From Material Movement | — | — | — | — | — | — | 0.09 | 0.09 | — | 0.04 | 0.04 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.09 | 0.08 | 0.08 | 1.47 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | — | 193 | 193 | 0.01 | 0.01 | 0.68 | 195 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.16 | 0.10 | 5.74 | 1.44 | 0.04 | 0.10 | 1.37 | 1.47 | 0.10 | 0.35 | 0.45 | — | 5,146 | 5,146 | 0.05 | 0.83 | 11.1 | 5,405 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.02 | 0.19 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 31.6 | 31.6 | < 0.005 | < 0.005 | 0.05 | 32.0 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.03 | 0.02 | 1.12 | 0.26 | 0.01 | 0.02 | 0.25 | 0.27 | 0.02 | 0.06 | 0.08 | — | 931 | 931 | 0.01 | 0.15 | 0.87 | 977 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 5.24 | 5.24 | < 0.005 | < 0.005 | 0.01 | 5.31 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.01 | < 0.005 | 0.20 | 0.05 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | — | 154 | 154 | < 0.005 | 0.02 | 0.14 | 162 |

## 3.8. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.69 | 2.26 | 20.9 | 19.7 | 0.04 | 0.90 | — | 0.90 | 0.83 | — | 0.83 | — | 4,273 | 4,273 | 0.17 | 0.03 | — | 4,287 |
| Dust From Material Movement | — | — | — | — | — | — | 2.78 | 2.78 | — | 1.34 | 1.34 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.49 | 0.41 | 3.78 | 3.57 | 0.01 | 0.16 | — | 0.16 | 0.15 | — | 0.15 | — | 773 | 773 | 0.03 | 0.01 | — | 775 |
| Dust From Material Movement | — | — | — | — | — | — | 0.50 | 0.50 | — | 0.24 | 0.24 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.09 | 0.07 | 0.69 | 0.65 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 128 | 128 | 0.01 | < 0.005 | — | 128 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 0.09 | 0.09 | — | 0.04 | 0.04 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.09 | 0.08 | 0.08 | 1.47 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | — | 193 | 193 | 0.01 | 0.01 | 0.68 | 195 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.16 | 0.10 | 5.74 | 1.44 | 0.04 | 0.10 | 1.37 | 1.47 | 0.10 | 0.35 | 0.45 | — | 5,146 | 5,146 | 0.05 | 0.83 | 11.1 | 5,405 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.02 | 0.19 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 31.6 | 31.6 | < 0.005 | < 0.005 | 0.05 | 32.0 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.03 | 0.02 | 1.12 | 0.26 | 0.01 | 0.02 | 0.25 | 0.27 | 0.02 | 0.06 | 0.08 | — | 931 | 931 | 0.01 | 0.15 | 0.87 | 977 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 5.24 | 5.24 | < 0.005 | < 0.005 | 0.01 | 5.31 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.01 | < 0.005 | 0.20 | 0.05 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | — | 154 | 154 | < 0.005 | 0.02 | 0.14 | 162 |

## 3.9. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.70 | 0.58 | 4.79 | 5.78 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.70 | 0.58 | 4.79 | 5.78 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.25 | 0.21 | 1.71 | 2.06 | < 0.005 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 310 | 310 | 0.01 | < 0.005 | — | 311 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.04 | 0.31 | 0.38 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 51.3 | 51.3 | < 0.005 | < 0.005 | — | 51.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.90 | 2.59 | 2.48 | 44.9 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,545 | 5,545 | 0.21 | 0.17 | 20.8 | 5,623 |
| Vendor | 0.27 | 0.18 | 4.99 | 2.42 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,296 | 4,296 | 0.05 | 0.60 | 11.7 | 4,489 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.23 | 1.90 | 2.90 | 25.5 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,681 | 4,681 | 0.24 | 0.17 | 0.54 | 4,740 |
| Vendor | 0.24 | 0.15 | 5.46 | 2.44 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,299 | 4,299 | 0.05 | 0.60 | 0.30 | 4,480 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.85 | 0.78 | 0.98 | 11.5 | 0.00 | 0.00 | 1.64 | 1.64 | 0.00 | 0.38 | 0.38 | — | 1,793 | 1,793 | 0.08 | 0.06 | 3.21 | 1,817 |
| Vendor | 0.09 | 0.06 | 1.92 | 0.86 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.13 | — | 1,531 | 1,531 | 0.02 | 0.21 | 1.80 | 1,597 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.14 | 0.18 | 2.09 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 297 | 297 | 0.01 | 0.01 | 0.53 | 301 |
| Vendor | 0.02 | 0.01 | 0.35 | 0.16 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 253 | 253 | < 0.005 | 0.04 | 0.30 | 264 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.10. Building Construction (2024) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.70 | 0.58 | 4.79 | 5.78 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.70 | 0.58 | 4.79 | 5.78 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.25 | 0.21 | 1.71 | 2.06 | < 0.005 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 310 | 310 | 0.01 | < 0.005 | — | 311 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.04 | 0.31 | 0.38 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 51.3 | 51.3 | < 0.005 | < 0.005 | — | 51.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.90 | 2.59 | 2.48 | 44.9 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,545 | 5,545 | 0.21 | 0.17 | 20.8 | 5,623 |
| Vendor | 0.27 | 0.18 | 4.99 | 2.42 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,296 | 4,296 | 0.05 | 0.60 | 11.7 | 4,489 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.23 | 1.90 | 2.90 | 25.5 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,681 | 4,681 | 0.24 | 0.17 | 0.54 | 4,740 |
| Vendor | 0.24 | 0.15 | 5.46 | 2.44 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,299 | 4,299 | 0.05 | 0.60 | 0.30 | 4,480 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.85 | 0.78 | 0.98 | 11.5 | 0.00 | 0.00 | 1.64 | 1.64 | 0.00 | 0.38 | 0.38 | — | 1,793 | 1,793 | 0.08 | 0.06 | 3.21 | 1,817 |
| Vendor | 0.09 | 0.06 | 1.92 | 0.86 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.13 | — | 1,531 | 1,531 | 0.02 | 0.21 | 1.80 | 1,597 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.14 | 0.18 | 2.09 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 297 | 297 | 0.01 | 0.01 | 0.53 | 301 |
| Vendor | 0.02 | 0.01 | 0.35 | 0.16 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 253 | 253 | < 0.005 | 0.04 | 0.30 | 264 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.11. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.54 | 4.52 | 5.73 | 0.01 | 0.20 | — | 0.20 | 0.19 | — | 0.19 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.54 | 4.52 | 5.73 | 0.01 | 0.20 | — | 0.20 | 0.19 | — | 0.19 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.19 | 1.63 | 2.06 | < 0.005 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 313 | 313 | 0.01 | < 0.005 | — | 314 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.04 | 0.04 | 0.30 | 0.38 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 51.9 | 51.9 | < 0.005 | < 0.005 | — | 52.1 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.63 | 2.31 | 2.17 | 41.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,427 | 5,427 | 0.21 | 0.17 | 19.1 | 5,504 |
| Vendor | 0.23 | 0.18 | 4.71 | 2.18 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,217 | 4,217 | 0.05 | 0.57 | 11.6 | 4,401 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.00 | 1.81 | 2.60 | 23.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,584 | 4,584 | 0.23 | 0.17 | 0.50 | 4,643 |
| Vendor | 0.21 | 0.15 | 5.18 | 2.24 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,221 | 4,221 | 0.05 | 0.57 | 0.30 | 4,393 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.82 | 0.70 | 0.88 | 10.6 | 0.00 | 0.00 | 1.65 | 1.65 | 0.00 | 0.39 | 0.39 | — | 1,775 | 1,775 | 0.08 | 0.06 | 2.97 | 1,799 |
| Vendor | 0.08 | 0.06 | 1.84 | 0.80 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.14 | — | 1,519 | 1,519 | 0.02 | 0.21 | 1.82 | 1,583 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.16 | 1.93 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 294 | 294 | 0.01 | 0.01 | 0.49 | 298 |
| Vendor | 0.01 | 0.01 | 0.34 | 0.15 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 251 | 251 | < 0.005 | 0.03 | 0.30 | 262 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.12. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.54 | 4.52 | 5.73 | 0.01 | 0.20 | — | 0.20 | 0.19 | — | 0.19 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.54 | 4.52 | 5.73 | 0.01 | 0.20 | — | 0.20 | 0.19 | — | 0.19 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.19 | 1.63 | 2.06 | < 0.005 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 313 | 313 | 0.01 | < 0.005 | — | 314 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.04 | 0.30 | 0.38 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 51.9 | 51.9 | < 0.005 | < 0.005 | — | 52.1 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.63 | 2.31 | 2.17 | 41.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,427 | 5,427 | 0.21 | 0.17 | 19.1 | 5,504 |
| Vendor | 0.23 | 0.18 | 4.71 | 2.18 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,217 | 4,217 | 0.05 | 0.57 | 11.6 | 4,401 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.00 | 1.81 | 2.60 | 23.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,584 | 4,584 | 0.23 | 0.17 | 0.50 | 4,643 |
| Vendor | 0.21 | 0.15 | 5.18 | 2.24 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,221 | 4,221 | 0.05 | 0.57 | 0.30 | 4,393 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.82 | 0.70 | 0.88 | 10.6 | 0.00 | 0.00 | 1.65 | 1.65 | 0.00 | 0.39 | 0.39 | — | 1,775 | 1,775 | 0.08 | 0.06 | 2.97 | 1,799 |
| Vendor | 0.08 | 0.06 | 1.84 | 0.80 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.14 | — | 1,519 | 1,519 | 0.02 | 0.21 | 1.82 | 1,583 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.16 | 1.93 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 294 | 294 | 0.01 | 0.01 | 0.49 | 298 |
| Vendor | 0.01 | 0.01 | 0.34 | 0.15 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 251 | 251 | < 0.005 | 0.03 | 0.30 | 262 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.13. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.92 | 0.77 | 6.81 | 6.99 | 0.01 | 0.28 | — | 0.28 | 0.26 | — | 0.26 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.92 | 0.77 | 6.81 | 6.99 | 0.01 | 0.28 | — | 0.28 | 0.26 | — | 0.26 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.33 | 0.27 | 2.43 | 2.49 | 0.01 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 528 | 528 | 0.02 | < 0.005 | — | 530 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.05 | 0.44 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 87.4 | 87.4 | < 0.005 | < 0.005 | — | 87.7 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.63 | 2.31 | 2.17 | 41.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,427 | 5,427 | 0.21 | 0.17 | 19.1 | 5,504 |
| Vendor | 0.23 | 0.18 | 4.71 | 2.18 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,217 | 4,217 | 0.05 | 0.57 | 11.6 | 4,401 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.00 | 1.81 | 2.60 | 23.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,584 | 4,584 | 0.23 | 0.17 | 0.50 | 4,643 |
| Vendor | 0.21 | 0.15 | 5.18 | 2.24 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,221 | 4,221 | 0.05 | 0.57 | 0.30 | 4,393 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.81 | 0.70 | 0.87 | 10.5 | 0.00 | 0.00 | 1.64 | 1.64 | 0.00 | 0.38 | 0.38 | — | 1,756 | 1,756 | 0.08 | 0.06 | 2.94 | 1,779 |
| Vendor | 0.08 | 0.06 | 1.82 | 0.79 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.13 | — | 1,503 | 1,503 | 0.02 | 0.20 | 1.80 | 1,566 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.16 | 1.91 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 291 | 291 | 0.01 | 0.01 | 0.49 | 295 |
| Vendor | 0.01 | 0.01 | 0.33 | 0.14 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 249 | 249 | < 0.005 | 0.03 | 0.30 | 259 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.14. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.92 | 0.77 | 6.81 | 6.99 | 0.01 | 0.28 | — | 0.28 | 0.26 | — | 0.26 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.92 | 0.77 | 6.81 | 6.99 | 0.01 | 0.28 | — | 0.28 | 0.26 | — | 0.26 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.33 | 0.27 | 2.43 | 2.49 | 0.01 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 528 | 528 | 0.02 | < 0.005 | — | 530 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.06 | 0.05 | 0.44 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 87.4 | 87.4 | < 0.005 | < 0.005 | — | 87.7 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.63 | 2.31 | 2.17 | 41.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,427 | 5,427 | 0.21 | 0.17 | 19.1 | 5,504 |
| Vendor | 0.23 | 0.18 | 4.71 | 2.18 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,217 | 4,217 | 0.05 | 0.57 | 11.6 | 4,401 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.00 | 1.81 | 2.60 | 23.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,584 | 4,584 | 0.23 | 0.17 | 0.50 | 4,643 |
| Vendor | 0.21 | 0.15 | 5.18 | 2.24 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,221 | 4,221 | 0.05 | 0.57 | 0.30 | 4,393 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.81 | 0.70 | 0.87 | 10.5 | 0.00 | 0.00 | 1.64 | 1.64 | 0.00 | 0.38 | 0.38 | — | 1,756 | 1,756 | 0.08 | 0.06 | 2.94 | 1,779 |
| Vendor | 0.08 | 0.06 | 1.82 | 0.79 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.13 | — | 1,503 | 1,503 | 0.02 | 0.20 | 1.80 | 1,566 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.16 | 1.91 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 291 | 291 | 0.01 | 0.01 | 0.49 | 295 |
| Vendor | 0.01 | 0.01 | 0.33 | 0.14 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 249 | 249 | < 0.005 | 0.03 | 0.30 | 259 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Building Construction (2026) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.88 | 0.74 | 6.46 | 6.92 | 0.01 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.88 | 0.74 | 6.46 | 6.92 | 0.01 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.32 | 0.26 | 2.33 | 2.49 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 534 | 534 | 0.02 | < 0.005 | — | 536 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.05 | 0.42 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 88.4 | 88.4 | < 0.005 | < 0.005 | — | 88.7 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.35 | 2.17 | 2.01 | 38.1 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,323 | 5,323 | 0.21 | 0.17 | 17.5 | 5,397 |
| Vendor | 0.23 | 0.17 | 4.48 | 2.02 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,138 | 4,138 | 0.05 | 0.57 | 10.4 | 4,320 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 1.90 | 1.71 | 2.30 | 21.5 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,498 | 4,498 | 0.22 | 0.17 | 0.45 | 4,556 |
| Vendor | 0.21 | 0.15 | 4.93 | 2.06 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,141 | 4,141 | 0.05 | 0.57 | 0.27 | 4,313 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.73 | 0.66 | 0.82 | 9.79 | 0.00 | 0.00 | 1.65 | 1.65 | 0.00 | 0.39 | 0.39 | — | 1,741 | 1,741 | 0.08 | 0.06 | 2.72 | 1,765 |
| Vendor | 0.08 | 0.06 | 1.74 | 0.74 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.14 | — | 1,490 | 1,490 | 0.02 | 0.21 | 1.61 | 1,554 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.12 | 0.15 | 1.79 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 288 | 288 | 0.01 | 0.01 | 0.45 | 292 |
| Vendor | 0.01 | 0.01 | 0.32 | 0.13 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 247 | 247 | < 0.005 | 0.03 | 0.27 | 257 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.16. Building Construction (2026) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.88 | 0.74 | 6.46 | 6.92 | 0.01 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.88 | 0.74 | 6.46 | 6.92 | 0.01 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.32 | 0.26 | 2.33 | 2.49 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 534 | 534 | 0.02 | < 0.005 | — | 536 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.05 | 0.42 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 88.4 | 88.4 | < 0.005 | < 0.005 | — | 88.7 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.35 | 2.17 | 2.01 | 38.1 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,323 | 5,323 | 0.21 | 0.17 | 17.5 | 5,397 |
| Vendor | 0.23 | 0.17 | 4.48 | 2.02 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,138 | 4,138 | 0.05 | 0.57 | 10.4 | 4,320 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 1.90 | 1.71 | 2.30 | 21.5 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,498 | 4,498 | 0.22 | 0.17 | 0.45 | 4,556 |
| Vendor | 0.21 | 0.15 | 4.93 | 2.06 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,141 | 4,141 | 0.05 | 0.57 | 0.27 | 4,313 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.73 | 0.66 | 0.82 | 9.79 | 0.00 | 0.00 | 1.65 | 1.65 | 0.00 | 0.39 | 0.39 | — | 1,741 | 1,741 | 0.08 | 0.06 | 2.72 | 1,765 |
| Vendor | 0.08 | 0.06 | 1.74 | 0.74 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.14 | — | 1,490 | 1,490 | 0.02 | 0.21 | 1.61 | 1,554 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.12 | 0.15 | 1.79 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 288 | 288 | 0.01 | 0.01 | 0.45 | 292 |
| Vendor | 0.01 | 0.01 | 0.32 | 0.13 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 247 | 247 | < 0.005 | 0.03 | 0.27 | 257 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.17. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.61 | 0.51 | 4.43 | 5.96 | 0.01 | 0.20 | — | 0.20 | 0.18 | — | 0.18 | — | 897 | 897 | 0.04 | 0.01 | — | 900 |
| Paving | — | 2.39 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.03 | 0.29 | 0.39 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 59.0 | 59.0 | < 0.005 | < 0.005 | — | 59.2 |
| Paving | — | 0.16 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.01 | 0.05 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 9.76 | 9.76 | < 0.005 | < 0.005 | — | 9.80 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paving | — | 0.03 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.06 | 1.08 | 0.00 | 0.00 | 0.13 | 0.13 | 0.00 | 0.03 | 0.03 | — | 151 | 151 | 0.01 | < 0.005 | 0.50 | 153 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 9.03 | 9.03 | < 0.005 | < 0.005 | 0.01 | 9.15 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.49 | 1.49 | < 0.005 | < 0.005 | < 0.005 | 1.51 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.18. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.61 | 0.51 | 4.43 | 5.96 | 0.01 | 0.20 | — | 0.20 | 0.18 | — | 0.18 | — | 897 | 897 | 0.04 | 0.01 | — | 900 |
| Paving | — | 2.39 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.03 | 0.29 | 0.39 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 59.0 | 59.0 | < 0.005 | < 0.005 | — | 59.2 |
| Paving | — | 0.16 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.01 | 0.05 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 9.76 | 9.76 | < 0.005 | < 0.005 | — | 9.80 |
| Paving | — | 0.03 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.06 | 1.08 | 0.00 | 0.00 | 0.13 | 0.13 | 0.00 | 0.03 | 0.03 | — | 151 | 151 | 0.01 | < 0.005 | 0.50 | 153 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 9.03 | 9.03 | < 0.005 | < 0.005 | 0.01 | 9.15 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.49 | 1.49 | < 0.005 | < 0.005 | < 0.005 | 1.51 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.19. Paving (2025) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.54 | 4.61 | 5.98 | 0.01 | 0.21 | — | 0.21 | 0.20 | — | 0.20 | — | 897 | 897 | 0.04 | 0.01 | — | 900 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.03 | 0.28 | 0.36 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 54.1 | 54.1 | < 0.005 | < 0.005 | — | 54.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.01 | 0.05 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.95 | 8.95 | < 0.005 | < 0.005 | — | 8.99 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.07 | 0.06 | 1.17 | 0.00 | 0.00 | 0.13 | 0.13 | 0.00 | 0.03 | 0.03 | — | 154 | 154 | 0.01 | < 0.005 | 0.54 | 156 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.43 | 8.43 | < 0.005 | < 0.005 | 0.01 | 8.55 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.40 | 1.40 | < 0.005 | < 0.005 | < 0.005 | 1.41 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.20. Paving (2025) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.64 | 0.54 | 4.61 | 5.98 | 0.01 | 0.21 | — | 0.21 | 0.20 | — | 0.20 | — | 897 | 897 | 0.04 | 0.01 | — | 900 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.03 | 0.28 | 0.36 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 54.1 | 54.1 | < 0.005 | < 0.005 | — | 54.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.01 | 0.05 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.95 | 8.95 | < 0.005 | < 0.005 | — | 8.99 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.07 | 0.06 | 1.17 | 0.00 | 0.00 | 0.13 | 0.13 | 0.00 | 0.03 | 0.03 | — | 154 | 154 | 0.01 | < 0.005 | 0.54 | 156 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.43 | 8.43 | < 0.005 | < 0.005 | 0.01 | 8.55 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.40 | 1.40 | < 0.005 | < 0.005 | < 0.005 | 1.41 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.21. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.13 | 0.88 | 1.14 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 171 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.13 | 0.88 | 1.14 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 171 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.03 | 0.02 | 0.15 | 0.19 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 21.9 | 21.9 | < 0.005 | < 0.005 | — | 22.0 |
| Architectural Coatings | — | 28.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.63 | 3.63 | < 0.005 | < 0.005 | — | 3.65 |
| Architectural Coatings | — | 5.13 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 1.05 | 0.92 | 0.87 | 16.5 | 0.00 | 0.00 | 1.84 | 1.84 | 0.00 | 0.43 | 0.43 | — | 2,171 | 2,171 | 0.09 | 0.07 | 7.65 | 2,202 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.80 | 0.72 | 1.04 | 9.34 | 0.00 | 0.00 | 1.84 | 1.84 | 0.00 | 0.43 | 0.43 | — | 1,834 | 1,834 | 0.09 | 0.07 | 0.20 | 1,857 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.16 | 1.94 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 324 | 324 | 0.01 | 0.01 | 0.54 | 328 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.03 | 0.35 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 53.7 | 53.7 | < 0.005 | < 0.005 | 0.09 | 54.4 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.22. Architectural Coating (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.13 | 0.88 | 1.14 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 171 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.13 | 0.88 | 1.14 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 171 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.03 | 0.02 | 0.15 | 0.19 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 21.9 | 21.9 | < 0.005 | < 0.005 | — | 22.0 |
| Architectural Coatings | — | 28.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.63 | 3.63 | < 0.005 | < 0.005 | — | 3.65 |
| Architectural Coatings | — | 5.13 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 1.05 | 0.92 | 0.87 | 16.5 | 0.00 | 0.00 | 1.84 | 1.84 | 0.00 | 0.43 | 0.43 | — | 2,171 | 2,171 | 0.09 | 0.07 | 7.65 | 2,202 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.80 | 0.72 | 1.04 | 9.34 | 0.00 | 0.00 | 1.84 | 1.84 | 0.00 | 0.43 | 0.43 | — | 1,834 | 1,834 | 0.09 | 0.07 | 0.20 | 1,857 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.16 | 1.94 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 324 | 324 | 0.01 | 0.01 | 0.54 | 328 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.03 | 0.35 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 53.7 | 53.7 | < 0.005 | < 0.005 | 0.09 | 54.4 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.23. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.12 | 0.86 | 1.13 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 171 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.02 | 0.14 | 0.19 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 21.9 | 21.9 | < 0.005 | < 0.005 | — | 22.0 |
| Architectural Coatings | — | 28.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.63 | 3.63 | < 0.005 | < 0.005 | — | 3.65 |
| Architectural Coatings | — | 5.13 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.24. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.12 | 0.86 | 1.13 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 171 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.02 | 0.14 | 0.19 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 21.9 | 21.9 | < 0.005 | < 0.005 | — | 22.0 |
| Architectural Coatings | — | 28.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.63 | 3.63 | < 0.005 | < 0.005 | — | 3.65 |
| Architectural Coatings | — | 5.13 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

### 4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 4.68 | 4.45 | 2.88 | 29.8 | 0.06 | 0.04 | 1.92 | 1.96 | 0.04 | 0.34 | 0.38 | — | 6,143 | 6,143 | 0.24 | 0.28 | 18.3 | 6,250 |
| Unrefrigerated Warehouse-No Rail | 3.15 | 3.01 | 1.87 | 19.2 | 0.04 | 0.03 | 1.21 | 1.24 | 0.02 | 0.21 | 0.24 | — | 3,887 | 3,887 | 0.16 | 0.18 | 11.5 | 3,956 |
| Total | 7.83 | 7.46 | 4.74 | 49.0 | 0.10 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 10,030 | 10,030 | 0.39 | 0.46 | 29.8 | 10,206 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 3.65 | 3.43 | 3.20 | 21.2 | 0.05 | 0.04 | 1.92 | 1.96 | 0.04 | 0.34 | 0.38 | — | 5,413 | 5,413 | 0.26 | 0.29 | 0.47 | 5,506 |
| Unrefrigerated Warehouse-No Rail | 2.46 | 2.31 | 2.07 | 13.8 | 0.03 | 0.03 | 1.21 | 1.24 | 0.02 | 0.21 | 0.24 | — | 3,427 | 3,427 | 0.17 | 0.19 | 0.30 | 3,487 |
| Total | 6.11 | 5.73 | 5.27 | 35.0 | 0.09 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 8,840 | 8,840 | 0.43 | 0.47 | 0.77 | 8,993 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.72 | 0.68 | 0.56 | 4.31 | 0.01 | 0.01 | 0.35 | 0.36 | 0.01 | 0.06 | 0.07 | — | 946 | 946 | 0.04 | 0.05 | 1.30 | 962 |
| Unrefrigerated Warehouse-No Rail | 0.48 | 0.46 | 0.36 | 2.78 | 0.01 | < 0.005 | 0.22 | 0.23 | < 0.005 | 0.04 | 0.04 | — | 599 | 599 | 0.03 | 0.03 | 0.82 | 609 |
| Total | 1.21 | 1.14 | 0.93 | 7.09 | 0.02 | 0.01 | 0.57 | 0.58 | 0.01 | 0.10 | 0.11 | — | 1,544 | 1,544 | 0.07 | 0.08 | 2.13 | 1,571 |

### 4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 4.68 | 4.45 | 2.88 | 29.8 | 0.06 | 0.04 | 1.92 | 1.96 | 0.04 | 0.34 | 0.38 | — | 6,143 | 6,143 | 0.24 | 0.28 | 18.3 | 6,250 |
| Unrefrigerated Warehouse-No Rail | 3.15 | 3.01 | 1.87 | 19.2 | 0.04 | 0.03 | 1.21 | 1.24 | 0.02 | 0.21 | 0.24 | — | 3,887 | 3,887 | 0.16 | 0.18 | 11.5 | 3,956 |
| Total | 7.83 | 7.46 | 4.74 | 49.0 | 0.10 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 10,030 | 10,030 | 0.39 | 0.46 | 29.8 | 10,206 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 3.65 | 3.43 | 3.20 | 21.2 | 0.05 | 0.04 | 1.92 | 1.96 | 0.04 | 0.34 | 0.38 | — | 5,413 | 5,413 | 0.26 | 0.29 | 0.47 | 5,506 |
| Unrefrigerated Warehouse-No Rail | 2.46 | 2.31 | 2.07 | 13.8 | 0.03 | 0.03 | 1.21 | 1.24 | 0.02 | 0.21 | 0.24 | — | 3,427 | 3,427 | 0.17 | 0.19 | 0.30 | 3,487 |
| Total | 6.11 | 5.73 | 5.27 | 35.0 | 0.09 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 8,840 | 8,840 | 0.43 | 0.47 | 0.77 | 8,993 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.72 | 0.68 | 0.56 | 4.31 | 0.01 | 0.01 | 0.35 | 0.36 | 0.01 | 0.06 | 0.07 | — | 946 | 946 | 0.04 | 0.05 | 1.30 | 962 |
| Unrefrigerated Warehouse-No Rail | 0.48 | 0.46 | 0.36 | 2.78 | 0.01 | < 0.005 | 0.22 | 0.23 | < 0.005 | 0.04 | 0.04 | — | 599 | 599 | 0.03 | 0.03 | 0.82 | 609 |
| Total | 1.21 | 1.14 | 0.93 | 7.09 | 0.02 | 0.01 | 0.57 | 0.58 | 0.01 | 0.10 | 0.11 | — | 1,544 | 1,544 | 0.07 | 0.08 | 2.13 | 1,571 |

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | 1,215 | 1,215 | 0.09 | 0.01 | — | 1,220 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,516 | 10,516 | 0.76 | 0.09 | — | 10,562 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 11,730 | 11,730 | 0.85 | 0.10 | — | 11,782 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | 1,215 | 1,215 | 0.09 | 0.01 | — | 1,220 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,516 | 10,516 | 0.76 | 0.09 | — | 10,562 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 11,730 | 11,730 | 0.85 | 0.10 | — | 11,782 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | 201 | 201 | 0.01 | < 0.005 | — | 202 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrige Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,741 | 1,741 | 0.13 | 0.02 | — | 1,749 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 1,942 | 1,942 | 0.14 | 0.02 | — | 1,951 |

### 4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | 1,215 | 1,215 | 0.09 | 0.01 | — | 1,220 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,516 | 10,516 | 0.76 | 0.09 | — | 10,562 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 11,730 | 11,730 | 0.85 | 0.10 | — | 11,782 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | 1,215 | 1,215 | 0.09 | 0.01 | — | 1,220 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,516 | 10,516 | 0.76 | 0.09 | — | 10,562 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 11,730 | 11,730 | 0.85 | 0.10 | — | 11,782 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | 201 | 201 | 0.01 | < 0.005 | — | 202 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,741 | 1,741 | 0.13 | 0.02 | — | 1,749 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 1,942 | 1,942 | 0.14 | 0.02 | — | 1,951 |

### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.11 | 0.05 | 0.93 | 0.40 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | — | 1,185 | 1,185 | 0.10 | < 0.005 | — | 1,189 |
| Unrefrigerated Warehouse-No Rail | 0.42 | 0.21 | 3.84 | 3.23 | 0.02 | 0.29 | — | 0.29 | 0.29 | — | 0.29 | — | 4,586 | 4,586 | 0.41 | 0.01 | — | 4,598 |
| Total | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 5,771 | 5,771 | 0.51 | 0.01 | — | 5,787 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.11 | 0.05 | 0.93 | 0.40 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | — | 1,185 | 1,185 | 0.10 | < 0.005 | — | 1,189 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | 0.42 | 0.21 | 3.84 | 3.23 | 0.02 | 0.29 | — | 0.29 | 0.29 | — | 0.29 | — | 4,586 | 4,586 | 0.41 | 0.01 | — | 4,598 |
| Total | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 5,771 | 5,771 | 0.51 | 0.01 | — | 5,787 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.02 | 0.01 | 0.17 | 0.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 196 | 196 | 0.02 | < 0.005 | — | 197 |
| Unrefrigerated Warehouse-No Rail | 0.08 | 0.04 | 0.70 | 0.59 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 759 | 759 | 0.07 | < 0.005 | — | 761 |
| Total | 0.10 | 0.05 | 0.87 | 0.66 | 0.01 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 955 | 955 | 0.08 | < 0.005 | — | 958 |

### 4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.11 | 0.05 | 0.93 | 0.40 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | — | 1,185 | 1,185 | 0.10 | < 0.005 | — | 1,189 |
| Unrefrigerated Warehouse-No Rail | 0.42 | 0.21 | 3.84 | 3.23 | 0.02 | 0.29 | — | 0.29 | 0.29 | — | 0.29 | — | 4,586 | 4,586 | 0.41 | 0.01 | — | 4,598 |
| Total | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 5,771 | 5,771 | 0.51 | 0.01 | — | 5,787 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 0.11 | 0.05 | 0.93 | 0.40 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | — | 1,185 | 1,185 | 0.10 | < 0.005 | — | 1,189 |
| Unrefrigerated Warehouse-No Rail | 0.42 | 0.21 | 3.84 | 3.23 | 0.02 | 0.29 | — | 0.29 | 0.29 | — | 0.29 | — | 4,586 | 4,586 | 0.41 | 0.01 | — | 4,598 |
| Total | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 5,771 | 5,771 | 0.51 | 0.01 | — | 5,787 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.02 | 0.01 | 0.17 | 0.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 196 | 196 | 0.02 | < 0.005 | — | 197 |
| Unrefrigerated Warehouse-No Rail | 0.08 | 0.04 | 0.70 | 0.59 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 759 | 759 | 0.07 | < 0.005 | — | 761 |
| Total | 0.10 | 0.05 | 0.87 | 0.66 | 0.01 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 955 | 955 | 0.08 | < 0.005 | — | 958 |

## 4.3. Area Emissions by Source

### 4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Source | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | — | 33.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 5.62 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Landsca Equipment | 6.35 | 5.88 | 0.33 | 38.5 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | — | 150 | 150 | 0.01 | 0.01 | — | 154 |
| Total | 6.35 | 44.8 | 0.33 | 38.5 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | — | 150 | 150 | 0.01 | 0.01 | — | 154 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | — | 33.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 5.62 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | 38.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | — | 6.08 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 1.03 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.57 | 0.53 | 0.03 | 3.46 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | — | 12.6 |
| Total | 0.57 | 7.63 | 0.03 | 3.46 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | — | 12.6 |

### 4.3.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Source | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer Products | — | 33.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 2.34 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 6.35 | 5.88 | 0.33 | 38.5 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | — | 150 | 150 | 0.01 | 0.01 | — | 154 |
| Total | 6.35 | 41.5 | 0.33 | 38.5 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | — | 150 | 150 | 0.01 | 0.01 | — | 154 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | — | 33.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 2.34 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | 35.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | — | 6.08 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 0.43 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.57 | 0.53 | 0.03 | 3.46 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | — | 12.6 |
| Total | 0.57 | 7.03 | 0.03 | 3.46 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | — | 12.6 |

## 4.4. Water Emissions by Land Use

### 4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 8.93 | 27.6 | 36.6 | 0.92 | 0.02 | — | 66.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 332 | 1,028 | 1,360 | 34.2 | 0.82 | — | 2,458 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 8.93 | 27.6 | 36.6 | 0.92 | 0.02 | — | 66.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 332 | 1,028 | 1,360 | 34.2 | 0.82 | — | 2,458 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 1.48 | 4.57 | 6.05 | 0.15 | < 0.005 | — | 10.9 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrige Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 55.0 | 170 | 225 | 5.65 | 0.14 | — | 407 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 56.5 | 175 | 231 | 5.81 | 0.14 | — | 418 |

### 4.4.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 8.93 | 27.6 | 36.6 | 0.92 | 0.02 | — | 66.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 332 | 1,028 | 1,360 | 34.2 | 0.82 | — | 2,458 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 8.93 | 27.6 | 36.6 | 0.92 | 0.02 | — | 66.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 332 | 1,028 | 1,360 | 34.2 | 0.82 | — | 2,458 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 1.48 | 4.57 | 6.05 | 0.15 | < 0.005 | — | 10.9 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 55.0 | 170 | 225 | 5.65 | 0.14 | — | 407 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 56.5 | 175 | 231 | 5.81 | 0.14 | — | 418 |

## 4.5. Waste Emissions by Land Use

### 4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 64.1 | 0.00 | 64.1 | 6.41 | 0.00 | — | 224 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 380 | 0.00 | 380 | 38.0 | 0.00 | — | 1,329 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 64.1 | 0.00 | 64.1 | 6.41 | 0.00 | — | 224 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated | — | — | — | — | — | — | — | — | — | — | — | 380 | 0.00 | 380 | 38.0 | 0.00 | — | 1,329 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 10.6 | 0.00 | 10.6 | 1.06 | 0.00 | — | 37.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 62.9 | 0.00 | 62.9 | 6.29 | 0.00 | — | 220 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 73.5 | 0.00 | 73.5 | 7.35 | 0.00 | — | 257 |

### 4.5.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 64.1 | 0.00 | 64.1 | 6.41 | 0.00 | — | 224 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 380 | 0.00 | 380 | 38.0 | 0.00 | — | 1,329 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 64.1 | 0.00 | 64.1 | 6.41 | 0.00 | — | 224 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 380 | 0.00 | 380 | 38.0 | 0.00 | — | 1,329 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 10.6 | 0.00 | 10.6 | 1.06 | 0.00 | — | 37.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 62.9 | 0.00 | 62.9 | 6.29 | 0.00 | — | 220 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 73.5 | 0.00 | 73.5 | 7.35 | 0.00 | — | 257 |

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.78 | 5.78 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,979 | 19,979 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.78 | 5.78 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,979 | 19,979 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.96 | 0.96 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,308 | 3,308 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,309 | 3,309 |

### 4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.78 | 5.78 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,979 | 19,979 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.78 | 5.78 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,979 | 19,979 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.96 | 0.96 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,308 | 3,308 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,309 | 3,309 |

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. Soil Carbon Accumulation By Vegetation Type

### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Vegetation | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Species | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Remove | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Vegetation | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Species | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 5.1. Construction Schedule

| Phase Name | Phase Type | Start Date | End Date | Days Per Week | Work Days per Phase | Phase Description |
|---|---|---|---|---|---|---|
| Res Site Preparation | Site Preparation | 1/2/2024 | 4/1/2024 | 5.00 | 65.0 | — |

| | | | | | | |
|---|---|---|---|---|---|---|
| Warehouse Site Preparation | Site Preparation | 1/1/2025 | 4/1/2025 | 5.00 | 65.0 | — |
| Res Grading | Grading | 4/2/2024 | 7/2/2024 | 5.00 | 66.0 | — |
| Warehouse Grading | Grading | 4/2/2025 | 7/2/2025 | 5.00 | 66.0 | — |
| Res Building Construction | Building Construction | 7/3/2024 | 7/3/2025 | 5.00 | 262 | — |
| Warehouse Building Construction | Building Construction | 7/3/2025 | 7/3/2026 | 5.00 | 262 | — |
| Warehouse Paving | Paving | 7/4/2026 | 9/4/2026 | 5.00 | 24.0 | — |
| Res Paving | Paving | 8/1/2025 | 9/1/2025 | 5.00 | 22.0 | — |
| Res Architectural Coating | Architectural Coating | 9/2/2025 | 11/24/2025 | 5.00 | 60.0 | — |
| Warehouse Architectural Coating | Architectural Coating | 10/1/2026 | 12/23/2026 | 5.00 | 60.0 | — |

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Res Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Res Grading | Excavators | Diesel | Average | 1.00 | 8.00 | 148 | 0.41 |
| Res Grading | Graders | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Res Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Res Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Res Building Construction | Skid Steer Loaders | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Res Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 7.00 | 84.0 | 0.37 |
| Res Paving | Pavers | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Res Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Res Paving | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Res Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Res Site Preparation | Graders | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Res Site Preparation | Scrapers | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Res Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Warehouse Site Preparation | Graders | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Warehouse Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Warehouse Grading | Excavators | Diesel | Average | 1.00 | 8.00 | 148 | 0.41 |
| Warehouse Grading | Graders | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Warehouse Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Warehouse Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Warehouse Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Warehouse Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Warehouse Building Construction | Skid Steer Loaders | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Warehouse Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 7.00 | 367 | 0.29 |
| Warehouse Building Construction | Trenchers | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Warehouse Paving | Pavers | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Warehouse Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Warehouse Paving | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Warehouse Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Res Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Warehouse Site Preparation | Scrapers | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Res Building Construction | Trenchers | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Res Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Res Grading | Excavators | Diesel | Average | 1.00 | 8.00 | 148 | 0.41 |
| Res Grading | Graders | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Res Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Res Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Res Building Construction | Skid Steer Loaders | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Res Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 7.00 | 84.0 | 0.37 |
| Res Paving | Pavers | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Res Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Res Paving | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Res Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Res Site Preparation | Graders | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Res Site Preparation | Scrapers | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Res Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Warehouse Site Preparation | Graders | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Warehouse Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Warehouse Grading | Excavators | Diesel | Average | 1.00 | 8.00 | 148 | 0.41 |
| Warehouse Grading | Graders | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Warehouse Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Warehouse Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Warehouse Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Warehouse Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Warehouse Building Construction | Skid Steer Loaders | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Warehouse Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 7.00 | 367 | 0.29 |
| Warehouse Building Construction | Trenchers | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Warehouse Paving | Pavers | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Warehouse Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Warehouse Paving | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Warehouse Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Res Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Warehouse Site Preparation | Scrapers | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Res Building Construction | Trenchers | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Res Site Preparation | — | — | — | — |

| | | | | |
|---|---|---|---|---|
| Res Site Preparation | Worker | 7.50 | 18.5 | LDA,LDT1,LDT2 |
| Res Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |
| Res Site Preparation | Hauling | 9.62 | 20.0 | HHDT |
| Res Site Preparation | Onsite truck | — | — | HHDT |
| Res Grading | — | — | — | — |
| Res Grading | Worker | 12.5 | 18.5 | LDA,LDT1,LDT2 |
| Res Grading | Vendor | — | 10.2 | HHDT,MHDT |
| Res Grading | Hauling | 144 | 20.0 | HHDT |
| Res Grading | Onsite truck | — | — | HHDT |
| Res Building Construction | — | — | — | — |
| Res Building Construction | Worker | 352 | 18.5 | LDA,LDT1,LDT2 |
| Res Building Construction | Vendor | 134 | 10.2 | HHDT,MHDT |
| Res Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Res Building Construction | Onsite truck | — | — | HHDT |
| Res Paving | — | — | — | — |
| Res Paving | Worker | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Res Paving | Vendor | — | 10.2 | HHDT,MHDT |
| Res Paving | Hauling | 0.00 | 20.0 | HHDT |
| Res Paving | Onsite truck | — | — | HHDT |
| Res Architectural Coating | — | — | — | — |
| Res Architectural Coating | Worker | 141 | 18.5 | LDA,LDT1,LDT2 |
| Res Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Res Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Res Architectural Coating | Onsite truck | — | — | HHDT |
| Warehouse Site Preparation | — | — | — | — |
| Warehouse Site Preparation | Worker | 7.50 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |

| | | | | |
|---|---|---|---|---|
| Warehouse Site Preparation | Hauling | 7.69 | 20.0 | HHDT |
| Warehouse Site Preparation | Onsite truck | — | — | HHDT |
| Warehouse Grading | — | — | — | — |
| Warehouse Grading | Worker | 12.5 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Grading | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Grading | Hauling | 75.8 | 20.0 | HHDT |
| Warehouse Grading | Onsite truck | — | — | HHDT |
| Warehouse Building Construction | — | — | — | — |
| Warehouse Building Construction | Worker | 352 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Building Construction | Vendor | 134 | 10.2 | HHDT,MHDT |
| Warehouse Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Warehouse Building Construction | Onsite truck | — | — | HHDT |
| Warehouse Paving | — | — | — | — |
| Warehouse Paving | Worker | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Paving | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Paving | Hauling | 0.00 | 20.0 | HHDT |
| Warehouse Paving | Onsite truck | — | — | HHDT |
| Warehouse Architectural Coating | — | — | — | — |
| Warehouse Architectural Coating | Worker | — | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Warehouse Architectural Coating | Onsite truck | — | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Res Site Preparation | — | — | — | — |
| Res Site Preparation | Worker | 7.50 | 18.5 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| Res Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |
| Res Site Preparation | Hauling | 9.62 | 20.0 | HHDT |
| Res Site Preparation | Onsite truck | — | — | HHDT |
| Res Grading | — | — | — | — |
| Res Grading | Worker | 12.5 | 18.5 | LDA,LDT1,LDT2 |
| Res Grading | Vendor | — | 10.2 | HHDT,MHDT |
| Res Grading | Hauling | 144 | 20.0 | HHDT |
| Res Grading | Onsite truck | — | — | HHDT |
| Res Building Construction | — | — | — | — |
| Res Building Construction | Worker | 352 | 18.5 | LDA,LDT1,LDT2 |
| Res Building Construction | Vendor | 134 | 10.2 | HHDT,MHDT |
| Res Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Res Building Construction | Onsite truck | — | — | HHDT |
| Res Paving | — | — | — | — |
| Res Paving | Worker | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Res Paving | Vendor | — | 10.2 | HHDT,MHDT |
| Res Paving | Hauling | 0.00 | 20.0 | HHDT |
| Res Paving | Onsite truck | — | — | HHDT |
| Res Architectural Coating | — | — | — | — |
| Res Architectural Coating | Worker | 141 | 18.5 | LDA,LDT1,LDT2 |
| Res Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Res Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Res Architectural Coating | Onsite truck | — | — | HHDT |
| Warehouse Site Preparation | — | — | — | — |
| Warehouse Site Preparation | Worker | 7.50 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Site Preparation | Hauling | 7.69 | 20.0 | HHDT |

| | | | | |
|---|---|---|---|---|
| Warehouse Site Preparation | Onsite truck | — | — | HHDT |
| Warehouse Grading | — | — | — | — |
| Warehouse Grading | Worker | 12.5 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Grading | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Grading | Hauling | 75.8 | 20.0 | HHDT |
| Warehouse Grading | Onsite truck | — | — | HHDT |
| Warehouse Building Construction | — | — | — | — |
| Warehouse Building Construction | Worker | 352 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Building Construction | Vendor | 134 | 10.2 | HHDT,MHDT |
| Warehouse Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Warehouse Building Construction | Onsite truck | — | — | HHDT |
| Warehouse Paving | — | — | — | — |
| Warehouse Paving | Worker | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Paving | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Paving | Hauling | 0.00 | 20.0 | HHDT |
| Warehouse Paving | Onsite truck | — | — | HHDT |
| Warehouse Architectural Coating | — | — | — | — |
| Warehouse Architectural Coating | Worker | — | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Warehouse Architectural Coating | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

| Control Strategies Applied | PM10 Reduction | PM2.5 Reduction |
|---|---|---|
| Water unpaved roads twice daily | 55% | 55% |

| | | |
|---|---|---|
| Limit vehicle speeds on unpaved roads to 25 mph | 44% | 44% |

## 5.5. Architectural Coatings

| Phase Name | Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|---|---|---|---|---|---|
| Res Architectural Coating | 816,815 | 272,272 | 562,250 | 187,417 | — |
| Warehouse Architectural Coating | 816,815 | 272,272 | 562,250 | 187,417 | — |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Res Site Preparation | — | 5,000 | 123 | 0.00 | — |
| Warehouse Site Preparation | — | 3,999 | 97.5 | 0.00 | — |
| Res Grading | 76,000 | — | 66.0 | 0.00 | — |
| Warehouse Grading | 40,000 | — | 66.0 | 0.00 | — |
| Warehouse Paving | 0.00 | 0.00 | 0.00 | 0.00 | 26.5 |
| Res Paving | 0.00 | 0.00 | 0.00 | 0.00 | 26.5 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 2 | 61% | 61% |

## 5.7. Construction Paving

| Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|
| Single Family Housing | 9.25 | 50% |

| | | |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 17.3 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2024 | 0.00 | 457 | 0.03 | < 0.005 |
| 2025 | 0.00 | 457 | 0.03 | < 0.005 |
| 2026 | 0.00 | 457 | 0.03 | < 0.005 |

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 1,028 | 1,028 | 1,028 | 375,045 | 7,013 | 7,013 | 7,013 | 2,559,816 |
| Unrefrigerated Warehouse-No Rail | 700 | 700 | 700 | 255,491 | 4,427 | 4,427 | 4,427 | 1,615,714 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 1,028 | 1,028 | 1,028 | 375,045 | 7,013 | 7,013 | 7,013 | 2,559,816 |
| Unrefrigerated Warehouse-No Rail | 700 | 700 | 700 | 255,491 | 4,427 | 4,427 | 4,427 | 1,615,714 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|---|---|---|---|---|
| 1633630.275 | 544,543 | 1,124,501 | 374,834 | — |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 180 |

### 5.10.4. Landscape Equipment - Mitigated

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 180 |

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

#### Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|---|---|---|---|---|---|
| Single Family Housing | 971,281 | 457 | 0.0330 | 0.0040 | 3,698,689 |
| Unrefrigerated Warehouse-No Rail | 8,407,077 | 457 | 0.0330 | 0.0040 | 14,308,362 |

### 5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|---|---|---|---|---|---|
| Single Family Housing | 971,281 | 457 | 0.0330 | 0.0040 | 3,698,689 |
| Unrefrigerated Warehouse-No Rail | 8,407,077 | 457 | 0.0330 | 0.0040 | 14,308,362 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Single Family Housing | 4,662,247 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 173,437,500 | 0.00 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Single Family Housing | 4,662,247 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 173,437,500 | 0.00 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Single Family Housing | 33.4 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 705 | 0.00 |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Single Family Housing | 33.4 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 705 | 0.00 |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| Single Family Housing | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Single Family Housing | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |
| Unrefrigerated Warehouse-No Rail | Cold storage | R-404A | 3,922 | 7.50 | 7.50 | 7.50 | 25.0 |

### 5.14.2. Mitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| Single Family Housing | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Single Family Housing | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |
| Unrefrigerated Warehouse-No Rail | Cold storage | R-404A | 3,922 | 7.50 | 7.50 | 7.50 | 25.0 |

## 5.15. Operational Off-Road Equipment

#### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|

#### 5.15.2. Mitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|

## 5.16. Stationary Sources

#### 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|---|---|---|---|---|---|---|

#### 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|---|---|---|---|---|---|

## 5.17. User Defined

| Equipment Type | Fuel Type |
|---|---|
| — | — |

## 5.18. Vegetation

#### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

### 5.18.1.2. Mitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

## 5.18.1. Biomass Cover Type

### 5.18.1.1. Unmitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

### 5.18.1.2. Mitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

## 5.18.2. Sequestration

### 5.18.2.1. Unmitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

### 5.18.2.2. Mitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

# 6. Climate Risk Detailed Report

## 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

| Climate Hazard | Result for Project Location | Unit |
|---|---|---|
| Temperature and Extreme Heat | 25.6 | annual days of extreme heat |

| | | |
|---|---|---|
| Extreme Precipitation | 0.00 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 0.00 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

## 6.2. Initial Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | 0 | 0 | 0 | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | N/A | N/A | N/A | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

## 6.3. Adjusted Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 1 | 1 | 2 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | 1 | 1 | 1 | 2 |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | N/A | N/A | N/A | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Exposure Indicators | — |
| AQ-Ozone | 58.2 |
| AQ-PM | 31.2 |
| AQ-DPM | 40.0 |
| Drinking Water | 25.4 |
| Lead Risk Housing | 14.5 |
| Pesticides | 81.5 |

| | |
|---|---|
| Toxic Releases | 15.1 |
| Traffic | 53.0 |
| Effect Indicators | — |
| CleanUp Sites | 85.6 |
| Groundwater | 43.8 |
| Haz Waste Facilities/Generators | 82.4 |
| Impaired Water Bodies | 83.0 |
| Solid Waste | 0.00 |
| Sensitive Population | — |
| Asthma | 85.6 |
| Cardio-vascular | 74.8 |
| Low Birth Weights | 8.03 |
| Socioeconomic Factor Indicators | — |
| Education | 59.6 |
| Housing | 2.13 |
| Linguistic | 83.8 |
| Poverty | 39.4 |
| Unemployment | 76.7 |

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Economic | — |
| Above Poverty | 63.72385474 |
| Employed | 41.16514821 |
| Median HI | 70.537662 |
| Education | — |

| | |
|---|---|
| Bachelor's or higher | 40.07442577 |
| High school enrollment | 100 |
| Preschool enrollment | 51.58475555 |
| Transportation | — |
| Auto Access | 71.35891184 |
| Active commuting | 5.196971641 |
| Social | — |
| 2-parent households | 81.00859746 |
| Voting | 35.90401642 |
| Neighborhood | — |
| Alcohol availability | 78.01873476 |
| Park access | 34.32567689 |
| Retail density | 36.50712178 |
| Supermarket access | 27.61452586 |
| Tree canopy | 0.859745926 |
| Housing | — |
| Homeownership | 74.16912614 |
| Housing habitability | 71.92352111 |
| Low-inc homeowner severe housing cost burden | 77.21031695 |
| Low-inc renter severe housing cost burden | 57.53881689 |
| Uncrowded housing | 41.84524573 |
| Health Outcomes | — |
| Insured adults | 52.48299756 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 31.2 |
| High Blood Pressure | 0.0 |
| Cancer (excluding skin) | 0.0 |

| | |
|---|---|
| Asthma | 0.0 |
| Coronary Heart Disease | 0.0 |
| Chronic Obstructive Pulmonary Disease | 0.0 |
| Diagnosed Diabetes | 0.0 |
| Life Expectancy at Birth | 93.0 |
| Cognitively Disabled | 56.3 |
| Physically  Disabled | 43.7 |
| Heart Attack ER Admissions | 36.4 |
| Mental Health Not Good | 0.0 |
| Chronic Kidney Disease | 0.0 |
| Obesity | 0.0 |
| Pedestrian Injuries | 19.6 |
| Physical Health Not Good | 0.0 |
| Stroke | 0.0 |
| Health Risk Behaviors | — |
| Binge Drinking | 0.0 |
| Current Smoker | 0.0 |
| No Leisure Time for Physical Activity | 0.0 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |
| Children | 19.0 |
| Elderly | 71.6 |
| English Speaking | 33.5 |
| Foreign-born | 60.1 |
| Outdoor Workers | 33.4 |
| Climate Change Adaptive Capacity | — |

| | |
|---|---|
| Impervious Surface Cover | 79.0 |
| Traffic Density | 45.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 59.4 |
| Other Decision Support | — |
| 2016 Voting | 0.0 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 62.0 |
| Healthy Places Index Score for Project Location (b) | 58.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | No |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | El Centro Corridor |

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

## 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

| Screen | Justification |
|---|---|

| | |
|---|---|
| Land Use | Specs provided by project description |
| Construction: Construction Phases | Phases provided by construction questionnaire |
| Construction: Off-Road Equipment | Changes reflect equipment from construction questionnaire |
| Construction: On-Road Fugitive Dust | Majority of roads in El Centro are paved, project site is approx 15% paved |
| Construction: Paving | warehouse area will be entirely paved, residential uses largely paved with exception to yards |
| Operations: Road Dust | Project area will be entirely paved |
| Operations: Hearths | no fireplaces or wood stoves would be used in Project operations |
| Operations: Vehicle Data | Changes made based off of traffic info provided by MBI |
| Construction: Dust From Material Movement | Material movement data from construction questionnaire |
| Construction: Architectural Coatings | — |

# El Centro Town Center 2 Single Family Project - Mitigated Detailed Report

## Table of Contents

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | El Centro Town Center 2 Single Family Project - Mitigated |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 3.40 |
| Precipitation (days) | 4.80 |
| Location | 32.8163622034248, -115.56460653631078 |
| County | Imperial |
| City | El Centro |
| Air District | Imperial County APCD |
| Air Basin | Salton Sea |
| TAZ | 5606 |
| EDFZ | 19 |
| Electric Utility | Imperial Irrigation District |
| Gas Utility | Southern California Gas |

## 1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 104 | Dwelling Unit | 18.5 | 806,731 | 0.00 | — | 370 | — |
| Unrefrigerated Warehouse-No Rail | 750 | 1000sqft | 17.3 | 749,667 | 0.00 | — | — | — |

### 1.3. User-Selected Emission Reduction Measures by Emissions Sector

| Sector | # | Measure Title |
|---|---|---|
| Area Sources | AS-2 | Use Low-VOC Paints |

# 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 7.28 | 32.7 | 38.1 | 99.8 | 0.12 | 1.27 | 11.5 | 12.1 | 1.18 | 3.12 | 4.30 | — | 21,642 | 21,642 | 0.62 | 1.62 | 61.5 | 22,170 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.05 | 32.0 | 30.0 | 47.0 | 0.08 | 0.98 | 7.59 | 7.96 | 0.91 | 1.83 | 2.43 | — | 13,858 | 13,858 | 0.47 | 0.87 | 0.99 | 14,130 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 3.49 | 7.61 | 18.1 | 36.6 | 0.05 | 0.54 | 5.35 | 5.89 | 0.50 | 1.40 | 1.91 | — | 10,284 | 10,284 | 0.31 | 0.73 | 11.1 | 10,521 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.64 | 1.39 | 3.31 | 6.68 | 0.01 | 0.10 | 0.98 | 1.08 | 0.09 | 0.26 | 0.35 | — | 1,703 | 1,703 | 0.05 | 0.12 | 1.84 | 1,742 |
| Exceeds (Daily Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Threshold | — | 75.0 | 100 | 550 | — | — | — | 150 | — | — | — | — | — | — | — | — | — | — |
| Unmit. | — | No | No | No | — | — | Yes | No | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Exceeds (Average Daily) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Threshold | — | 75.0 | 100 | 550 | — | — | — | 150 | — | — | — | — | — | — | — | — | — | — |
| Unmit. | — | No | No | No | — | — | Yes | No | — | — | — | — | — | — | — | — | — | — |

## 2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Year | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 3.87 | 3.35 | 26.2 | 53.1 | 0.10 | 0.85 | 5.75 | 6.40 | 0.78 | 2.05 | 2.83 | — | 13,359 | 13,359 | 0.30 | 1.60 | 32.5 | 13,865 |
| 2025 | 7.28 | 32.7 | 38.1 | 99.8 | 0.12 | 1.27 | 11.5 | 12.1 | 1.18 | 3.12 | 4.30 | — | 21,642 | 21,642 | 0.62 | 1.62 | 61.5 | 22,170 |
| 2026 | 3.45 | 3.08 | 13.0 | 47.0 | 0.05 | 0.32 | 5.75 | 6.07 | 0.29 | 1.40 | 1.69 | — | 10,943 | 10,943 | 0.32 | 0.76 | 27.8 | 11,205 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 3.17 | 2.64 | 20.7 | 33.8 | 0.04 | 0.85 | 5.75 | 6.05 | 0.78 | 1.40 | 1.68 | — | 9,851 | 9,851 | 0.32 | 0.78 | 0.84 | 10,093 |
| 2025 | 5.05 | 32.0 | 30.0 | 47.0 | 0.08 | 0.98 | 7.59 | 7.96 | 0.91 | 1.83 | 2.43 | — | 13,858 | 13,858 | 0.47 | 0.87 | 0.99 | 14,130 |
| 2026 | 2.98 | 28.5 | 13.7 | 30.4 | 0.05 | 0.32 | 5.75 | 6.07 | 0.29 | 1.40 | 1.69 | — | 10,122 | 10,122 | 0.33 | 0.76 | 0.72 | 10,357 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 2.02 | 1.74 | 13.2 | 20.8 | 0.04 | 0.41 | 3.21 | 3.61 | 0.38 | 0.89 | 1.27 | — | 6,819 | 6,819 | 0.18 | 0.59 | 6.86 | 7,007 |
| 2025 | 3.49 | 7.61 | 18.1 | 36.6 | 0.05 | 0.54 | 5.35 | 5.89 | 0.50 | 1.40 | 1.91 | — | 10,284 | 10,284 | 0.31 | 0.73 | 11.1 | 10,521 |
| 2026 | 1.19 | 5.87 | 5.33 | 13.6 | 0.02 | 0.13 | 2.07 | 2.20 | 0.12 | 0.50 | 0.62 | — | 3,855 | 3,855 | 0.12 | 0.27 | 4.34 | 3,945 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 0.37 | 0.32 | 2.41 | 3.80 | 0.01 | 0.07 | 0.59 | 0.66 | 0.07 | 0.16 | 0.23 | — | 1,129 | 1,129 | 0.03 | 0.10 | 1.14 | 1,160 |
| 2025 | 0.64 | 1.39 | 3.31 | 6.68 | 0.01 | 0.10 | 0.98 | 1.08 | 0.09 | 0.26 | 0.35 | — | 1,703 | 1,703 | 0.05 | 0.12 | 1.84 | 1,742 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2026 | 0.22 | 1.07 | 0.97 | 2.49 | < 0.005 | 0.02 | 0.38 | 0.40 | 0.02 | 0.09 | 0.11 | — | 638 | 638 | 0.02 | 0.05 | 0.72 | 653 |

## 2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Year | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 3.87 | 3.35 | 26.2 | 53.1 | 0.10 | 0.85 | 5.75 | 6.40 | 0.78 | 2.05 | 2.83 | — | 13,359 | 13,359 | 0.30 | 1.60 | 32.5 | 13,865 |
| 2025 | 7.28 | 32.7 | 38.1 | 99.8 | 0.12 | 1.27 | 11.5 | 12.1 | 1.18 | 3.12 | 4.30 | — | 21,642 | 21,642 | 0.62 | 1.62 | 61.5 | 22,170 |
| 2026 | 3.45 | 3.08 | 13.0 | 47.0 | 0.05 | 0.32 | 5.75 | 6.07 | 0.29 | 1.40 | 1.69 | — | 10,943 | 10,943 | 0.32 | 0.76 | 27.8 | 11,205 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 3.17 | 2.64 | 20.7 | 33.8 | 0.04 | 0.85 | 5.75 | 6.05 | 0.78 | 1.40 | 1.68 | — | 9,851 | 9,851 | 0.32 | 0.78 | 0.84 | 10,093 |
| 2025 | 5.05 | 32.0 | 30.0 | 47.0 | 0.08 | 0.98 | 7.59 | 7.96 | 0.91 | 1.83 | 2.43 | — | 13,858 | 13,858 | 0.47 | 0.87 | 0.99 | 14,130 |
| 2026 | 2.98 | 28.5 | 13.7 | 30.4 | 0.05 | 0.32 | 5.75 | 6.07 | 0.29 | 1.40 | 1.69 | — | 10,122 | 10,122 | 0.33 | 0.76 | 0.72 | 10,357 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 2.02 | 1.74 | 13.2 | 20.8 | 0.04 | 0.41 | 3.21 | 3.61 | 0.38 | 0.89 | 1.27 | — | 6,819 | 6,819 | 0.18 | 0.59 | 6.86 | 7,007 |
| 2025 | 3.49 | 7.61 | 18.1 | 36.6 | 0.05 | 0.54 | 5.35 | 5.89 | 0.50 | 1.40 | 1.91 | — | 10,284 | 10,284 | 0.31 | 0.73 | 11.1 | 10,521 |
| 2026 | 1.19 | 5.87 | 5.33 | 13.6 | 0.02 | 0.13 | 2.07 | 2.20 | 0.12 | 0.50 | 0.62 | — | 3,855 | 3,855 | 0.12 | 0.27 | 4.34 | 3,945 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 0.37 | 0.32 | 2.41 | 3.80 | 0.01 | 0.07 | 0.59 | 0.66 | 0.07 | 0.16 | 0.23 | — | 1,129 | 1,129 | 0.03 | 0.10 | 1.14 | 1,160 |
| 2025 | 0.64 | 1.39 | 3.31 | 6.68 | 0.01 | 0.10 | 0.98 | 1.08 | 0.09 | 0.26 | 0.35 | — | 1,703 | 1,703 | 0.05 | 0.12 | 1.84 | 1,742 |
| 2026 | 0.22 | 1.07 | 0.97 | 2.49 | < 0.005 | 0.02 | 0.38 | 0.40 | 0.02 | 0.09 | 0.11 | — | 638 | 638 | 0.02 | 0.05 | 0.72 | 653 |

## 2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 14.7 | 52.5 | 9.85 | 91.1 | 0.13 | 0.48 | 3.13 | 3.61 | 0.49 | 0.55 | 1.04 | 785 | 28,737 | 29,522 | 81.2 | 1.43 | 20,014 | 51,991 |
| Mit. | 14.7 | 49.2 | 9.85 | 91.1 | 0.13 | 0.48 | 3.13 | 3.61 | 0.49 | 0.55 | 1.04 | 785 | 28,737 | 29,522 | 81.2 | 1.43 | 20,014 | 51,991 |
| % Reduced | — | 6% | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 6.64 | 44.9 | 10.0 | 38.7 | 0.12 | 0.44 | 3.13 | 3.57 | 0.43 | 0.55 | 0.98 | 785 | 27,397 | 28,182 | 81.2 | 1.43 | 19,985 | 50,624 |
| Mit. | 6.64 | 41.6 | 10.0 | 38.7 | 0.12 | 0.44 | 3.13 | 3.57 | 0.43 | 0.55 | 0.98 | 785 | 27,397 | 28,182 | 81.2 | 1.43 | 19,985 | 50,624 |
| % Reduced | — | 7% | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 10.3 | 48.3 | 10.0 | 61.5 | 0.12 | 0.46 | 3.13 | 3.59 | 0.46 | 0.55 | 1.01 | 785 | 27,957 | 28,742 | 81.2 | 1.43 | 19,997 | 51,195 |
| Mit. | 10.3 | 45.0 | 10.0 | 61.5 | 0.12 | 0.46 | 3.13 | 3.59 | 0.46 | 0.55 | 1.01 | 785 | 27,957 | 28,742 | 81.2 | 1.43 | 19,997 | 51,195 |
| % Reduced | — | 7% | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.87 | 8.82 | 1.83 | 11.2 | 0.02 | 0.08 | 0.57 | 0.66 | 0.08 | 0.10 | 0.18 | 130 | 4,629 | 4,759 | 13.4 | 0.24 | 3,311 | 8,476 |
| Mit. | 1.87 | 8.22 | 1.83 | 11.2 | 0.02 | 0.08 | 0.57 | 0.66 | 0.08 | 0.10 | 0.18 | 130 | 4,629 | 4,759 | 13.4 | 0.24 | 3,311 | 8,476 |
| % Reduced | — | 7% | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Exceeds (Daily Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Threshold | — | 137 | 137 | 550 | 150 | — | — | 150 | — | — | 550 | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmit. | — | No | No | No | No | — | — | No | — | — | No | — | — | — | — | — | — | — |
| Mit. | — | No | No | No | No | — | — | No | — | — | No | — | — | — | — | — | — | — |
| Exceeds (Average Daily) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Threshold | — | 137 | 137 | 550 | 150 | — | — | 150 | — | — | 550 | — | — | — | — | — | — | — |
| Unmit. | — | No | No | No | No | — | — | No | — | — | No | — | — | — | — | — | — | — |
| Mit. | — | No | No | No | No | — | — | No | — | — | No | — | — | — | — | — | — | — |

## 2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Sector | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 7.83 | 7.46 | 4.74 | 49.0 | 0.10 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 10,030 | 10,030 | 0.39 | 0.46 | 29.8 | 10,206 |
| Area | 6.35 | 44.8 | 0.33 | 38.5 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | — | 150 | 150 | 0.01 | 0.01 | — | 154 |
| Energy | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 17,501 | 17,501 | 1.36 | 0.11 | — | 17,569 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Total | 14.7 | 52.5 | 9.85 | 91.1 | 0.13 | 0.48 | 3.13 | 3.61 | 0.49 | 0.55 | 1.04 | 785 | 28,737 | 29,522 | 81.2 | 1.43 | 20,014 | 51,991 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 6.11 | 5.73 | 5.27 | 35.0 | 0.09 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 8,840 | 8,840 | 0.43 | 0.47 | 0.77 | 8,993 |
| Area | — | 38.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 17,501 | 17,501 | 1.36 | 0.11 | — | 17,569 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Waste | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Total | 6.64 | 44.9 | 10.0 | 38.7 | 0.12 | 0.44 | 3.13 | 3.57 | 0.43 | 0.55 | 0.98 | 785 | 27,397 | 28,182 | 81.2 | 1.43 | 19,985 | 50,624 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 6.61 | 6.24 | 5.07 | 38.9 | 0.09 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 9,326 | 9,326 | 0.40 | 0.46 | 12.9 | 9,487 |
| Area | 3.13 | 41.8 | 0.16 | 19.0 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | — | 73.9 | 73.9 | < 0.005 | 0.01 | — | 76.0 |
| Energy | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 17,501 | 17,501 | 1.36 | 0.11 | — | 17,569 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Total | 10.3 | 48.3 | 10.0 | 61.5 | 0.12 | 0.46 | 3.13 | 3.59 | 0.46 | 0.55 | 1.01 | 785 | 27,957 | 28,742 | 81.2 | 1.43 | 19,997 | 51,195 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.21 | 1.14 | 0.93 | 7.09 | 0.02 | 0.01 | 0.57 | 0.58 | 0.01 | 0.10 | 0.11 | — | 1,544 | 1,544 | 0.07 | 0.08 | 2.13 | 1,571 |
| Area | 0.57 | 7.63 | 0.03 | 3.46 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | — | 12.6 |
| Energy | 0.10 | 0.05 | 0.87 | 0.66 | 0.01 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 2,898 | 2,898 | 0.22 | 0.02 | — | 2,909 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 56.5 | 175 | 231 | 5.81 | 0.14 | — | 418 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 73.5 | 0.00 | 73.5 | 7.35 | 0.00 | — | 257 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,309 | 3,309 |
| Total | 1.87 | 8.82 | 1.83 | 11.2 | 0.02 | 0.08 | 0.57 | 0.66 | 0.08 | 0.10 | 0.18 | 130 | 4,629 | 4,759 | 13.4 | 0.24 | 3,311 | 8,476 |

## 2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Sector | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 7.83 | 7.46 | 4.74 | 49.0 | 0.10 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 10,030 | 10,030 | 0.39 | 0.46 | 29.8 | 10,206 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Area | 6.35 | 41.5 | 0.33 | 38.5 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | — | 150 | 150 | 0.01 | 0.01 | — | 154 |
| Energy | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 17,501 | 17,501 | 1.36 | 0.11 | — | 17,569 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Total | 14.7 | 49.2 | 9.85 | 91.1 | 0.13 | 0.48 | 3.13 | 3.61 | 0.49 | 0.55 | 1.04 | 785 | 28,737 | 29,522 | 81.2 | 1.43 | 20,014 | 51,991 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 6.11 | 5.73 | 5.27 | 35.0 | 0.09 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 8,840 | 8,840 | 0.43 | 0.47 | 0.77 | 8,993 |
| Area | — | 35.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 17,501 | 17,501 | 1.36 | 0.11 | — | 17,569 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Total | 6.64 | 41.6 | 10.0 | 38.7 | 0.12 | 0.44 | 3.13 | 3.57 | 0.43 | 0.55 | 0.98 | 785 | 27,397 | 28,182 | 81.2 | 1.43 | 19,985 | 50,624 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 6.61 | 6.24 | 5.07 | 38.9 | 0.09 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 9,326 | 9,326 | 0.40 | 0.46 | 12.9 | 9,487 |
| Area | 3.13 | 38.5 | 0.16 | 19.0 | < 0.005 | 0.02 | — | 0.02 | 0.03 | — | 0.03 | — | 73.9 | 73.9 | < 0.005 | 0.01 | — | 76.0 |
| Energy | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 17,501 | 17,501 | 1.36 | 0.11 | — | 17,569 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Total | 10.3 | 45.0 | 10.0 | 61.5 | 0.12 | 0.46 | 3.13 | 3.59 | 0.46 | 0.55 | 1.01 | 785 | 27,957 | 28,742 | 81.2 | 1.43 | 19,997 | 51,195 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.21 | 1.14 | 0.93 | 7.09 | 0.02 | 0.01 | 0.57 | 0.58 | 0.01 | 0.10 | 0.11 | — | 1,544 | 1,544 | 0.07 | 0.08 | 2.13 | 1,571 |
| Area | 0.57 | 7.03 | 0.03 | 3.46 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | — | 12.6 |
| Energy | 0.10 | 0.05 | 0.87 | 0.66 | 0.01 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 2,898 | 2,898 | 0.22 | 0.02 | — | 2,909 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | — | — | — | — | — | — | — | — | — | — | — | 56.5 | 175 | 231 | 5.81 | 0.14 | — | 418 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 73.5 | 0.00 | 73.5 | 7.35 | 0.00 | — | 257 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,309 | 3,309 |
| Total | 1.87 | 8.22 | 1.83 | 11.2 | 0.02 | 0.08 | 0.57 | 0.66 | 0.08 | 0.10 | 0.18 | 130 | 4,629 | 4,759 | 13.4 | 0.24 | 3,311 | 8,476 |

# 3. Construction Emissions Details

## 3.1. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.37 | 1.99 | 19.8 | 16.5 | 0.03 | 0.83 | — | 0.83 | 0.77 | — | 0.77 | — | 3,563 | 3,563 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.37 | 1.99 | 19.8 | 16.5 | 0.03 | 0.83 | — | 0.83 | 0.77 | — | 0.77 | — | 3,563 | 3,563 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.42 | 0.36 | 3.52 | 2.93 | 0.01 | 0.15 | — | 0.15 | 0.14 | — | 0.14 | — | 634 | 634 | 0.03 | 0.01 | — | 637 |
| Dust From Material Movement | — | — | — | — | — | — | 0.11 | 0.11 | — | 0.01 | 0.01 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.08 | 0.06 | 0.64 | 0.54 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Dust From Material Movement | — | — | — | — | — | — | 0.02 | 0.02 | — | < 0.005 | < 0.005 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.06 | 0.05 | 0.96 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 118 | 118 | < 0.005 | < 0.005 | 0.44 | 120 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.75 | 0.19 | < 0.005 | 0.01 | 0.17 | 0.19 | 0.01 | 0.04 | 0.06 | — | 667 | 667 | 0.01 | 0.10 | 1.42 | 699 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.04 | 0.06 | 0.54 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 99.7 | 99.7 | 0.01 | < 0.005 | 0.01 | 101 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.02 | 0.01 | 0.83 | 0.19 | < 0.005 | 0.01 | 0.17 | 0.19 | 0.01 | 0.04 | 0.06 | — | 667 | 667 | 0.01 | 0.10 | 0.04 | 699 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.12 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 19.1 | 19.1 | < 0.005 | < 0.005 | 0.03 | 19.3 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.15 | 0.03 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 119 | 119 | < 0.005 | 0.02 | 0.11 | 124 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.16 | 3.16 | < 0.005 | < 0.005 | 0.01 | 3.20 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 19.7 | 19.7 | < 0.005 | < 0.005 | 0.02 | 20.6 |

## 3.2. Site Preparation (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.37 | 1.99 | 19.8 | 16.5 | 0.03 | 0.83 | — | 0.83 | 0.77 | — | 0.77 | — | 3,563 | 3,563 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.37 | 1.99 | 19.8 | 16.5 | 0.03 | 0.83 | — | 0.83 | 0.77 | — | 0.77 | — | 3,563 | 3,563 | 0.14 | 0.03 | — | 3,575 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.42 | 0.36 | 3.52 | 2.93 | 0.01 | 0.15 | — | 0.15 | 0.14 | — | 0.14 | — | 634 | 634 | 0.03 | 0.01 | — | 637 |
| Dust From Material Movement | — | — | — | — | — | — | 0.11 | 0.11 | — | 0.01 | 0.01 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.08 | 0.06 | 0.64 | 0.54 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Dust From Material Movement | — | — | — | — | — | — | 0.02 | 0.02 | — | < 0.005 | < 0.005 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.06 | 0.05 | 0.96 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 118 | 118 | < 0.005 | < 0.005 | 0.44 | 120 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.75 | 0.19 | < 0.005 | 0.01 | 0.17 | 0.19 | 0.01 | 0.04 | 0.06 | — | 667 | 667 | 0.01 | 0.10 | 1.42 | 699 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 0.05 | 0.04 | 0.06 | 0.54 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 99.7 | 99.7 | 0.01 | < 0.005 | 0.01 | 101 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.83 | 0.19 | < 0.005 | 0.01 | 0.17 | 0.19 | 0.01 | 0.04 | 0.06 | — | 667 | 667 | 0.01 | 0.10 | 0.04 | 699 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.12 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 19.1 | 19.1 | < 0.005 | < 0.005 | 0.03 | 19.3 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.15 | 0.03 | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 119 | 119 | < 0.005 | 0.02 | 0.11 | 124 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.16 | 3.16 | < 0.005 | < 0.005 | 0.01 | 3.20 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 19.7 | 19.7 | < 0.005 | < 0.005 | 0.02 | 20.6 |

## 3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.14 | 1.80 | 17.0 | 15.1 | 0.03 | 0.71 | — | 0.71 | 0.65 | — | 0.65 | — | 3,562 | 3,562 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 2.14 | 1.80 | 17.0 | 15.1 | 0.03 | 0.71 | — | 0.71 | 0.65 | — | 0.65 | — | 3,562 | 3,562 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.38 | 0.32 | 3.03 | 2.68 | 0.01 | 0.13 | — | 0.13 | 0.12 | — | 0.12 | — | 634 | 634 | 0.03 | 0.01 | — | 637 |
| Dust From Material Movement | — | — | — | — | — | — | 0.11 | 0.11 | — | 0.01 | 0.01 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.06 | 0.55 | 0.49 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Dust From Material Movement | — | — | — | — | — | — | 0.02 | 0.02 | — | < 0.005 | < 0.005 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.05 | 0.88 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 116 | 116 | < 0.005 | < 0.005 | 0.41 | 117 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.58 | 0.15 | < 0.005 | 0.01 | 0.14 | 0.15 | 0.01 | 0.04 | 0.05 | — | 523 | 523 | < 0.005 | 0.08 | 1.13 | 549 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.04 | 0.06 | 0.50 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 97.6 | 97.6 | < 0.005 | < 0.005 | 0.01 | 98.8 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.64 | 0.15 | < 0.005 | 0.01 | 0.14 | 0.15 | 0.01 | 0.04 | 0.05 | — | 523 | 523 | < 0.005 | 0.08 | 0.03 | 548 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.11 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 18.7 | 18.7 | < 0.005 | < 0.005 | 0.03 | 18.9 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.11 | 0.03 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 93.1 | 93.1 | < 0.005 | 0.01 | 0.09 | 97.7 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.09 | 3.09 | < 0.005 | < 0.005 | 0.01 | 3.14 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.02 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 15.4 | 15.4 | < 0.005 | < 0.005 | 0.01 | 16.2 |

## 3.4. Site Preparation (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.14 | 1.80 | 17.0 | 15.1 | 0.03 | 0.71 | — | 0.71 | 0.65 | — | 0.65 | — | 3,562 | 3,562 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.14 | 1.80 | 17.0 | 15.1 | 0.03 | 0.71 | — | 0.71 | 0.65 | — | 0.65 | — | 3,562 | 3,562 | 0.14 | 0.03 | — | 3,575 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.07 | 0.07 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.38 | 0.32 | 3.03 | 2.68 | 0.01 | 0.13 | — | 0.13 | 0.12 | — | 0.12 | — | 634 | 634 | 0.03 | 0.01 | — | 637 |
| Dust From Material Movement | — | — | — | — | — | — | 0.11 | 0.11 | — | 0.01 | 0.01 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.06 | 0.55 | 0.49 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Dust From Material Movement | — | — | — | — | — | — | 0.02 | 0.02 | — | < 0.005 | < 0.005 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.05 | 0.05 | 0.88 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 116 | 116 | < 0.005 | < 0.005 | 0.41 | 117 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.58 | 0.15 | < 0.005 | 0.01 | 0.14 | 0.15 | 0.01 | 0.04 | 0.05 | — | 523 | 523 | < 0.005 | 0.08 | 1.13 | 549 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.04 | 0.04 | 0.06 | 0.50 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 97.6 | 97.6 | < 0.005 | < 0.005 | 0.01 | 98.8 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.02 | 0.01 | 0.64 | 0.15 | < 0.005 | 0.01 | 0.14 | 0.15 | 0.01 | 0.04 | 0.05 | — | 523 | 523 | < 0.005 | 0.08 | 0.03 | 548 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.11 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 18.7 | 18.7 | < 0.005 | < 0.005 | 0.03 | 18.9 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.11 | 0.03 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 93.1 | 93.1 | < 0.005 | 0.01 | 0.09 | 97.7 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.02 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 3.09 | 3.09 | < 0.005 | < 0.005 | 0.01 | 3.14 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | < 0.005 | < 0.005 | 0.02 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 15.4 | 15.4 | < 0.005 | < 0.005 | 0.01 | 16.2 |

## 3.5. Grading (2024) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.83 | 1.54 | 14.9 | 14.6 | 0.03 | 0.64 | — | 0.64 | 0.59 | — | 0.59 | — | 3,184 | 3,184 | 0.13 | 0.03 | — | 3,195 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 2.80 | 2.80 | — | 1.34 | 1.34 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.33 | 0.28 | 2.69 | 2.64 | 0.01 | 0.12 | — | 0.12 | 0.11 | — | 0.11 | — | 576 | 576 | 0.02 | < 0.005 | — | 578 |
| Dust From Material Movement | — | — | — | — | — | — | 0.51 | 0.51 | — | 0.24 | 0.24 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.05 | 0.49 | 0.48 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 95.3 | 95.3 | < 0.005 | < 0.005 | — | 95.7 |
| Dust From Material Movement | — | — | — | — | — | — | 0.09 | 0.09 | — | 0.04 | 0.04 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.10 | 0.09 | 0.09 | 1.59 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | — | 197 | 197 | 0.01 | 0.01 | 0.74 | 200 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.30 | 0.20 | 11.3 | 2.80 | 0.07 | 0.19 | 2.61 | 2.80 | 0.19 | 0.67 | 0.86 | — | 9,978 | 9,978 | 0.09 | 1.57 | 21.3 | 10,470 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.02 | 0.21 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 32.3 | 32.3 | < 0.005 | < 0.005 | 0.06 | 32.7 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.05 | 0.03 | 2.21 | 0.51 | 0.01 | 0.03 | 0.47 | 0.50 | 0.03 | 0.12 | 0.15 | — | 1,805 | 1,805 | 0.02 | 0.28 | 1.66 | 1,892 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 5.35 | 5.35 | < 0.005 | < 0.005 | 0.01 | 5.42 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.01 | 0.01 | 0.40 | 0.09 | < 0.005 | 0.01 | 0.09 | 0.09 | 0.01 | 0.02 | 0.03 | — | 299 | 299 | < 0.005 | 0.05 | 0.27 | 313 |

## 3.6. Grading (2024) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.83 | 1.54 | 14.9 | 14.6 | 0.03 | 0.64 | — | 0.64 | 0.59 | — | 0.59 | — | 3,184 | 3,184 | 0.13 | 0.03 | — | 3,195 |
| Dust From Material Movement | — | — | — | — | — | — | 2.80 | 2.80 | — | 1.34 | 1.34 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.33 | 0.28 | 2.69 | 2.64 | 0.01 | 0.12 | — | 0.12 | 0.11 | — | 0.11 | — | 576 | 576 | 0.02 | < 0.005 | — | 578 |
| Dust From Material Movement | — | — | — | — | — | — | 0.51 | 0.51 | — | 0.24 | 0.24 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.05 | 0.49 | 0.48 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 95.3 | 95.3 | < 0.005 | < 0.005 | — | 95.7 |
| Dust From Material Movement | — | — | — | — | — | — | 0.09 | 0.09 | — | 0.04 | 0.04 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.10 | 0.09 | 0.09 | 1.59 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | — | 197 | 197 | 0.01 | 0.01 | 0.74 | 200 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.30 | 0.20 | 11.3 | 2.80 | 0.07 | 0.19 | 2.61 | 2.80 | 0.19 | 0.67 | 0.86 | — | 9,978 | 9,978 | 0.09 | 1.57 | 21.3 | 10,470 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.02 | 0.01 | 0.02 | 0.21 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 32.3 | 32.3 | < 0.005 | < 0.005 | 0.06 | 32.7 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.05 | 0.03 | 2.21 | 0.51 | 0.01 | 0.03 | 0.47 | 0.50 | 0.03 | 0.12 | 0.15 | — | 1,805 | 1,805 | 0.02 | 0.28 | 1.66 | 1,892 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 5.35 | 5.35 | < 0.005 | < 0.005 | 0.01 | 5.42 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.01 | 0.01 | 0.40 | 0.09 | < 0.005 | 0.01 | 0.09 | 0.09 | 0.01 | 0.02 | 0.03 | — | 299 | 299 | < 0.005 | 0.05 | 0.27 | 313 |

## 3.7. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.69 | 2.26 | 20.9 | 19.7 | 0.04 | 0.90 | — | 0.90 | 0.83 | — | 0.83 | — | 4,273 | 4,273 | 0.17 | 0.03 | — | 4,287 |
| Dust From Material Movement | — | — | — | — | — | — | 2.78 | 2.78 | — | 1.34 | 1.34 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.49 | 0.41 | 3.78 | 3.57 | 0.01 | 0.16 | — | 0.16 | 0.15 | — | 0.15 | — | 773 | 773 | 0.03 | 0.01 | — | 775 |
| Dust From Material Movement | — | — | — | — | — | — | 0.50 | 0.50 | — | 0.24 | 0.24 | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.09 | 0.07 | 0.69 | 0.65 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 128 | 128 | 0.01 | < 0.005 | — | 128 |
| Dust From Material Movement | — | — | — | — | — | — | 0.09 | 0.09 | — | 0.04 | 0.04 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.09 | 0.08 | 0.08 | 1.47 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | — | 193 | 193 | 0.01 | 0.01 | 0.68 | 195 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.16 | 0.10 | 5.74 | 1.44 | 0.04 | 0.10 | 1.37 | 1.47 | 0.10 | 0.35 | 0.45 | — | 5,146 | 5,146 | 0.05 | 0.83 | 11.1 | 5,405 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.02 | 0.19 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 31.6 | 31.6 | < 0.005 | < 0.005 | 0.05 | 32.0 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.03 | 0.02 | 1.12 | 0.26 | 0.01 | 0.02 | 0.25 | 0.27 | 0.02 | 0.06 | 0.08 | — | 931 | 931 | 0.01 | 0.15 | 0.87 | 977 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 5.24 | 5.24 | < 0.005 | < 0.005 | 0.01 | 5.31 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.01 | < 0.005 | 0.20 | 0.05 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | — | 154 | 154 | < 0.005 | 0.02 | 0.14 | 162 |

## 3.8. Grading (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 2.69 | 2.26 | 20.9 | 19.7 | 0.04 | 0.90 | — | 0.90 | 0.83 | — | 0.83 | — | 4,273 | 4,273 | 0.17 | 0.03 | — | 4,287 |
| Dust From Material Movement | — | — | — | — | — | — | 2.78 | 2.78 | — | 1.34 | 1.34 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.49 | 0.41 | 3.78 | 3.57 | 0.01 | 0.16 | — | 0.16 | 0.15 | — | 0.15 | — | 773 | 773 | 0.03 | 0.01 | — | 775 |
| Dust From Material Movement | — | — | — | — | — | — | 0.50 | 0.50 | — | 0.24 | 0.24 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.09 | 0.07 | 0.69 | 0.65 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 128 | 128 | 0.01 | < 0.005 | — | 128 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 0.09 | 0.09 | — | 0.04 | 0.04 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.09 | 0.08 | 0.08 | 1.47 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.04 | 0.04 | — | 193 | 193 | 0.01 | 0.01 | 0.68 | 195 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.16 | 0.10 | 5.74 | 1.44 | 0.04 | 0.10 | 1.37 | 1.47 | 0.10 | 0.35 | 0.45 | — | 5,146 | 5,146 | 0.05 | 0.83 | 11.1 | 5,405 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.02 | 0.19 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 31.6 | 31.6 | < 0.005 | < 0.005 | 0.05 | 32.0 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.03 | 0.02 | 1.12 | 0.26 | 0.01 | 0.02 | 0.25 | 0.27 | 0.02 | 0.06 | 0.08 | — | 931 | 931 | 0.01 | 0.15 | 0.87 | 977 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 5.24 | 5.24 | < 0.005 | < 0.005 | 0.01 | 5.31 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.01 | < 0.005 | 0.20 | 0.05 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.01 | — | 154 | 154 | < 0.005 | 0.02 | 0.14 | 162 |

## 3.9. Building Construction (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.70 | 0.58 | 4.79 | 5.78 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.70 | 0.58 | 4.79 | 5.78 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.25 | 0.21 | 1.71 | 2.06 | < 0.005 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 310 | 310 | 0.01 | < 0.005 | — | 311 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.04 | 0.31 | 0.38 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 51.3 | 51.3 | < 0.005 | < 0.005 | — | 51.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.90 | 2.59 | 2.48 | 44.9 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,545 | 5,545 | 0.21 | 0.17 | 20.8 | 5,623 |
| Vendor | 0.27 | 0.18 | 4.99 | 2.42 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,296 | 4,296 | 0.05 | 0.60 | 11.7 | 4,489 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.23 | 1.90 | 2.90 | 25.5 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,681 | 4,681 | 0.24 | 0.17 | 0.54 | 4,740 |
| Vendor | 0.24 | 0.15 | 5.46 | 2.44 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,299 | 4,299 | 0.05 | 0.60 | 0.30 | 4,480 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.85 | 0.78 | 0.98 | 11.5 | 0.00 | 0.00 | 1.64 | 1.64 | 0.00 | 0.38 | 0.38 | — | 1,793 | 1,793 | 0.08 | 0.06 | 3.21 | 1,817 |
| Vendor | 0.09 | 0.06 | 1.92 | 0.86 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.13 | — | 1,531 | 1,531 | 0.02 | 0.21 | 1.80 | 1,597 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.14 | 0.18 | 2.09 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 297 | 297 | 0.01 | 0.01 | 0.53 | 301 |
| Vendor | 0.02 | 0.01 | 0.35 | 0.16 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 253 | 253 | < 0.005 | 0.04 | 0.30 | 264 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.10. Building Construction (2024) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.70 | 0.58 | 4.79 | 5.78 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.70 | 0.58 | 4.79 | 5.78 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.25 | 0.21 | 1.71 | 2.06 | < 0.005 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 310 | 310 | 0.01 | < 0.005 | — | 311 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.04 | 0.31 | 0.38 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 51.3 | 51.3 | < 0.005 | < 0.005 | — | 51.5 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.90 | 2.59 | 2.48 | 44.9 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,545 | 5,545 | 0.21 | 0.17 | 20.8 | 5,623 |
| Vendor | 0.27 | 0.18 | 4.99 | 2.42 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,296 | 4,296 | 0.05 | 0.60 | 11.7 | 4,489 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.23 | 1.90 | 2.90 | 25.5 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,681 | 4,681 | 0.24 | 0.17 | 0.54 | 4,740 |
| Vendor | 0.24 | 0.15 | 5.46 | 2.44 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,299 | 4,299 | 0.05 | 0.60 | 0.30 | 4,480 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.85 | 0.78 | 0.98 | 11.5 | 0.00 | 0.00 | 1.64 | 1.64 | 0.00 | 0.38 | 0.38 | — | 1,793 | 1,793 | 0.08 | 0.06 | 3.21 | 1,817 |
| Vendor | 0.09 | 0.06 | 1.92 | 0.86 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.13 | — | 1,531 | 1,531 | 0.02 | 0.21 | 1.80 | 1,597 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.14 | 0.18 | 2.09 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 297 | 297 | 0.01 | 0.01 | 0.53 | 301 |
| Vendor | 0.02 | 0.01 | 0.35 | 0.16 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 253 | 253 | < 0.005 | 0.04 | 0.30 | 264 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.11. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.54 | 4.52 | 5.73 | 0.01 | 0.20 | — | 0.20 | 0.19 | — | 0.19 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.54 | 4.52 | 5.73 | 0.01 | 0.20 | — | 0.20 | 0.19 | — | 0.19 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.19 | 1.63 | 2.06 | < 0.005 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 313 | 313 | 0.01 | < 0.005 | — | 314 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.04 | 0.04 | 0.30 | 0.38 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 51.9 | 51.9 | < 0.005 | < 0.005 | — | 52.1 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.63 | 2.31 | 2.17 | 41.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,427 | 5,427 | 0.21 | 0.17 | 19.1 | 5,504 |
| Vendor | 0.23 | 0.18 | 4.71 | 2.18 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,217 | 4,217 | 0.05 | 0.57 | 11.6 | 4,401 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.00 | 1.81 | 2.60 | 23.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,584 | 4,584 | 0.23 | 0.17 | 0.50 | 4,643 |
| Vendor | 0.21 | 0.15 | 5.18 | 2.24 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,221 | 4,221 | 0.05 | 0.57 | 0.30 | 4,393 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.82 | 0.70 | 0.88 | 10.6 | 0.00 | 0.00 | 1.65 | 1.65 | 0.00 | 0.39 | 0.39 | — | 1,775 | 1,775 | 0.08 | 0.06 | 2.97 | 1,799 |
| Vendor | 0.08 | 0.06 | 1.84 | 0.80 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.14 | — | 1,519 | 1,519 | 0.02 | 0.21 | 1.82 | 1,583 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.16 | 1.93 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 294 | 294 | 0.01 | 0.01 | 0.49 | 298 |
| Vendor | 0.01 | 0.01 | 0.34 | 0.15 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 251 | 251 | < 0.005 | 0.03 | 0.30 | 262 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.12. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.54 | 4.52 | 5.73 | 0.01 | 0.20 | — | 0.20 | 0.19 | — | 0.19 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.54 | 4.52 | 5.73 | 0.01 | 0.20 | — | 0.20 | 0.19 | — | 0.19 | — | 870 | 870 | 0.04 | 0.01 | — | 873 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.19 | 1.63 | 2.06 | < 0.005 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 313 | 313 | 0.01 | < 0.005 | — | 314 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.04 | 0.30 | 0.38 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 51.9 | 51.9 | < 0.005 | < 0.005 | — | 52.1 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.63 | 2.31 | 2.17 | 41.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,427 | 5,427 | 0.21 | 0.17 | 19.1 | 5,504 |
| Vendor | 0.23 | 0.18 | 4.71 | 2.18 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,217 | 4,217 | 0.05 | 0.57 | 11.6 | 4,401 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.00 | 1.81 | 2.60 | 23.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,584 | 4,584 | 0.23 | 0.17 | 0.50 | 4,643 |
| Vendor | 0.21 | 0.15 | 5.18 | 2.24 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,221 | 4,221 | 0.05 | 0.57 | 0.30 | 4,393 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.82 | 0.70 | 0.88 | 10.6 | 0.00 | 0.00 | 1.65 | 1.65 | 0.00 | 0.39 | 0.39 | — | 1,775 | 1,775 | 0.08 | 0.06 | 2.97 | 1,799 |
| Vendor | 0.08 | 0.06 | 1.84 | 0.80 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.14 | — | 1,519 | 1,519 | 0.02 | 0.21 | 1.82 | 1,583 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.16 | 1.93 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 294 | 294 | 0.01 | 0.01 | 0.49 | 298 |
| Vendor | 0.01 | 0.01 | 0.34 | 0.15 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 251 | 251 | < 0.005 | 0.03 | 0.30 | 262 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.13. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.92 | 0.77 | 6.81 | 6.99 | 0.01 | 0.28 | — | 0.28 | 0.26 | — | 0.26 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.92 | 0.77 | 6.81 | 6.99 | 0.01 | 0.28 | — | 0.28 | 0.26 | — | 0.26 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.33 | 0.27 | 2.43 | 2.49 | 0.01 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 528 | 528 | 0.02 | < 0.005 | — | 530 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.05 | 0.44 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 87.4 | 87.4 | < 0.005 | < 0.005 | — | 87.7 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.63 | 2.31 | 2.17 | 41.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,427 | 5,427 | 0.21 | 0.17 | 19.1 | 5,504 |
| Vendor | 0.23 | 0.18 | 4.71 | 2.18 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,217 | 4,217 | 0.05 | 0.57 | 11.6 | 4,401 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.00 | 1.81 | 2.60 | 23.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,584 | 4,584 | 0.23 | 0.17 | 0.50 | 4,643 |
| Vendor | 0.21 | 0.15 | 5.18 | 2.24 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,221 | 4,221 | 0.05 | 0.57 | 0.30 | 4,393 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.81 | 0.70 | 0.87 | 10.5 | 0.00 | 0.00 | 1.64 | 1.64 | 0.00 | 0.38 | 0.38 | — | 1,756 | 1,756 | 0.08 | 0.06 | 2.94 | 1,779 |
| Vendor | 0.08 | 0.06 | 1.82 | 0.79 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.13 | — | 1,503 | 1,503 | 0.02 | 0.20 | 1.80 | 1,566 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.16 | 1.91 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 291 | 291 | 0.01 | 0.01 | 0.49 | 295 |
| Vendor | 0.01 | 0.01 | 0.33 | 0.14 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 249 | 249 | < 0.005 | 0.03 | 0.30 | 259 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.14. Building Construction (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.92 | 0.77 | 6.81 | 6.99 | 0.01 | 0.28 | — | 0.28 | 0.26 | — | 0.26 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.92 | 0.77 | 6.81 | 6.99 | 0.01 | 0.28 | — | 0.28 | 0.26 | — | 0.26 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.33 | 0.27 | 2.43 | 2.49 | 0.01 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 528 | 528 | 0.02 | < 0.005 | — | 530 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.06 | 0.05 | 0.44 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 87.4 | 87.4 | < 0.005 | < 0.005 | — | 87.7 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.63 | 2.31 | 2.17 | 41.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,427 | 5,427 | 0.21 | 0.17 | 19.1 | 5,504 |
| Vendor | 0.23 | 0.18 | 4.71 | 2.18 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,217 | 4,217 | 0.05 | 0.57 | 11.6 | 4,401 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.00 | 1.81 | 2.60 | 23.3 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,584 | 4,584 | 0.23 | 0.17 | 0.50 | 4,643 |
| Vendor | 0.21 | 0.15 | 5.18 | 2.24 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,221 | 4,221 | 0.05 | 0.57 | 0.30 | 4,393 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.81 | 0.70 | 0.87 | 10.5 | 0.00 | 0.00 | 1.64 | 1.64 | 0.00 | 0.38 | 0.38 | — | 1,756 | 1,756 | 0.08 | 0.06 | 2.94 | 1,779 |
| Vendor | 0.08 | 0.06 | 1.82 | 0.79 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.13 | — | 1,503 | 1,503 | 0.02 | 0.20 | 1.80 | 1,566 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.16 | 1.91 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 291 | 291 | 0.01 | 0.01 | 0.49 | 295 |
| Vendor | 0.01 | 0.01 | 0.33 | 0.14 | < 0.005 | < 0.005 | 0.07 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 249 | 249 | < 0.005 | 0.03 | 0.30 | 259 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.15. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.88 | 0.74 | 6.46 | 6.92 | 0.01 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.88 | 0.74 | 6.46 | 6.92 | 0.01 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.32 | 0.26 | 2.33 | 2.49 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 534 | 534 | 0.02 | < 0.005 | — | 536 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.05 | 0.42 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 88.4 | 88.4 | < 0.005 | < 0.005 | — | 88.7 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.35 | 2.17 | 2.01 | 38.1 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,323 | 5,323 | 0.21 | 0.17 | 17.5 | 5,397 |
| Vendor | 0.23 | 0.17 | 4.48 | 2.02 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,138 | 4,138 | 0.05 | 0.57 | 10.4 | 4,320 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 1.90 | 1.71 | 2.30 | 21.5 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,498 | 4,498 | 0.22 | 0.17 | 0.45 | 4,556 |
| Vendor | 0.21 | 0.15 | 4.93 | 2.06 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,141 | 4,141 | 0.05 | 0.57 | 0.27 | 4,313 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.73 | 0.66 | 0.82 | 9.79 | 0.00 | 0.00 | 1.65 | 1.65 | 0.00 | 0.39 | 0.39 | — | 1,741 | 1,741 | 0.08 | 0.06 | 2.72 | 1,765 |
| Vendor | 0.08 | 0.06 | 1.74 | 0.74 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.14 | — | 1,490 | 1,490 | 0.02 | 0.21 | 1.61 | 1,554 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.12 | 0.15 | 1.79 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 288 | 288 | 0.01 | 0.01 | 0.45 | 292 |
| Vendor | 0.01 | 0.01 | 0.32 | 0.13 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 247 | 247 | < 0.005 | 0.03 | 0.27 | 257 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.16. Building Construction (2026) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.88 | 0.74 | 6.46 | 6.92 | 0.01 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.88 | 0.74 | 6.46 | 6.92 | 0.01 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 1,483 | 1,483 | 0.06 | 0.01 | — | 1,488 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.32 | 0.26 | 2.33 | 2.49 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 534 | 534 | 0.02 | < 0.005 | — | 536 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.05 | 0.42 | 0.45 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 88.4 | 88.4 | < 0.005 | < 0.005 | — | 88.7 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.35 | 2.17 | 2.01 | 38.1 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 5,323 | 5,323 | 0.21 | 0.17 | 17.5 | 5,397 |
| Vendor | 0.23 | 0.17 | 4.48 | 2.02 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,138 | 4,138 | 0.05 | 0.57 | 10.4 | 4,320 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 1.90 | 1.71 | 2.30 | 21.5 | 0.00 | 0.00 | 4.60 | 4.60 | 0.00 | 1.08 | 1.08 | — | 4,498 | 4,498 | 0.22 | 0.17 | 0.45 | 4,556 |
| Vendor | 0.21 | 0.15 | 4.93 | 2.06 | 0.03 | 0.06 | 1.15 | 1.21 | 0.06 | 0.32 | 0.38 | — | 4,141 | 4,141 | 0.05 | 0.57 | 0.27 | 4,313 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.73 | 0.66 | 0.82 | 9.79 | 0.00 | 0.00 | 1.65 | 1.65 | 0.00 | 0.39 | 0.39 | — | 1,741 | 1,741 | 0.08 | 0.06 | 2.72 | 1,765 |
| Vendor | 0.08 | 0.06 | 1.74 | 0.74 | 0.01 | 0.02 | 0.41 | 0.43 | 0.02 | 0.11 | 0.14 | — | 1,490 | 1,490 | 0.02 | 0.21 | 1.61 | 1,554 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.13 | 0.12 | 0.15 | 1.79 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 288 | 288 | 0.01 | 0.01 | 0.45 | 292 |
| Vendor | 0.01 | 0.01 | 0.32 | 0.13 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.02 | — | 247 | 247 | < 0.005 | 0.03 | 0.27 | 257 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.17. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.61 | 0.51 | 4.43 | 5.96 | 0.01 | 0.20 | — | 0.20 | 0.18 | — | 0.18 | — | 897 | 897 | 0.04 | 0.01 | — | 900 |
| Paving | — | 2.39 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.03 | 0.29 | 0.39 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 59.0 | 59.0 | < 0.005 | < 0.005 | — | 59.2 |
| Paving | — | 0.16 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.01 | 0.05 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 9.76 | 9.76 | < 0.005 | < 0.005 | — | 9.80 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paving | — | 0.03 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.06 | 1.08 | 0.00 | 0.00 | 0.13 | 0.13 | 0.00 | 0.03 | 0.03 | — | 151 | 151 | 0.01 | < 0.005 | 0.50 | 153 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 9.03 | 9.03 | < 0.005 | < 0.005 | 0.01 | 9.15 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.49 | 1.49 | < 0.005 | < 0.005 | < 0.005 | 1.51 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.18. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.61 | 0.51 | 4.43 | 5.96 | 0.01 | 0.20 | — | 0.20 | 0.18 | — | 0.18 | — | 897 | 897 | 0.04 | 0.01 | — | 900 |
| Paving | — | 2.39 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.03 | 0.29 | 0.39 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 59.0 | 59.0 | < 0.005 | < 0.005 | — | 59.2 |
| Paving | — | 0.16 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.01 | 0.05 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 9.76 | 9.76 | < 0.005 | < 0.005 | — | 9.80 |
| Paving | — | 0.03 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.06 | 1.08 | 0.00 | 0.00 | 0.13 | 0.13 | 0.00 | 0.03 | 0.03 | — | 151 | 151 | 0.01 | < 0.005 | 0.50 | 153 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 9.03 | 9.03 | < 0.005 | < 0.005 | 0.01 | 9.15 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.49 | 1.49 | < 0.005 | < 0.005 | < 0.005 | 1.51 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.19. Paving (2025) - Unmitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.54 | 4.61 | 5.98 | 0.01 | 0.21 | — | 0.21 | 0.20 | — | 0.20 | — | 897 | 897 | 0.04 | 0.01 | — | 900 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.03 | 0.28 | 0.36 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 54.1 | 54.1 | < 0.005 | < 0.005 | — | 54.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.01 | 0.05 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.95 | 8.95 | < 0.005 | < 0.005 | — | 8.99 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.07 | 0.06 | 1.17 | 0.00 | 0.00 | 0.13 | 0.13 | 0.00 | 0.03 | 0.03 | — | 154 | 154 | 0.01 | < 0.005 | 0.54 | 156 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.43 | 8.43 | < 0.005 | < 0.005 | 0.01 | 8.55 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.40 | 1.40 | < 0.005 | < 0.005 | < 0.005 | 1.41 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.20. Paving (2025) - Mitigated

### Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.64 | 0.54 | 4.61 | 5.98 | 0.01 | 0.21 | — | 0.21 | 0.20 | — | 0.20 | — | 897 | 897 | 0.04 | 0.01 | — | 900 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.03 | 0.28 | 0.36 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 54.1 | 54.1 | < 0.005 | < 0.005 | — | 54.3 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.01 | 0.05 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.95 | 8.95 | < 0.005 | < 0.005 | — | 8.99 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.07 | 0.06 | 1.17 | 0.00 | 0.00 | 0.13 | 0.13 | 0.00 | 0.03 | 0.03 | — | 154 | 154 | 0.01 | < 0.005 | 0.54 | 156 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.43 | 8.43 | < 0.005 | < 0.005 | 0.01 | 8.55 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.40 | 1.40 | < 0.005 | < 0.005 | < 0.005 | 1.41 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.21. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.13 | 0.88 | 1.14 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 28.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.13 | 0.88 | 1.14 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 28.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.03 | 0.02 | 0.15 | 0.19 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 21.9 | 21.9 | < 0.005 | < 0.005 | — | 22.0 |
| Architectural Coatings | — | 4.67 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.63 | 3.63 | < 0.005 | < 0.005 | — | 3.65 |
| Architectural Coatings | — | 0.85 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 1.05 | 0.92 | 0.87 | 16.5 | 0.00 | 0.00 | 1.84 | 1.84 | 0.00 | 0.43 | 0.43 | — | 2,171 | 2,171 | 0.09 | 0.07 | 7.65 | 2,202 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.80 | 0.72 | 1.04 | 9.34 | 0.00 | 0.00 | 1.84 | 1.84 | 0.00 | 0.43 | 0.43 | — | 1,834 | 1,834 | 0.09 | 0.07 | 0.20 | 1,857 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.16 | 1.94 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 324 | 324 | 0.01 | 0.01 | 0.54 | 328 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.03 | 0.35 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 53.7 | 53.7 | < 0.005 | < 0.005 | 0.09 | 54.4 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.22. Architectural Coating (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.13 | 0.88 | 1.14 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 28.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.13 | 0.88 | 1.14 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 28.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipment | 0.03 | 0.02 | 0.15 | 0.19 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 21.9 | 21.9 | < 0.005 | < 0.005 | — | 22.0 |
| Architectural Coatings | — | 4.67 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.63 | 3.63 | < 0.005 | < 0.005 | — | 3.65 |
| Architectural Coatings | — | 0.85 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 1.05 | 0.92 | 0.87 | 16.5 | 0.00 | 0.00 | 1.84 | 1.84 | 0.00 | 0.43 | 0.43 | — | 2,171 | 2,171 | 0.09 | 0.07 | 7.65 | 2,202 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.80 | 0.72 | 1.04 | 9.34 | 0.00 | 0.00 | 1.84 | 1.84 | 0.00 | 0.43 | 0.43 | — | 1,834 | 1,834 | 0.09 | 0.07 | 0.20 | 1,857 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.15 | 0.13 | 0.16 | 1.94 | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.07 | 0.07 | — | 324 | 324 | 0.01 | 0.01 | 0.54 | 328 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.02 | 0.03 | 0.35 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 53.7 | 53.7 | < 0.005 | < 0.005 | 0.09 | 54.4 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.23. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.12 | 0.86 | 1.13 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 28.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.02 | 0.14 | 0.19 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 21.9 | 21.9 | < 0.005 | < 0.005 | — | 22.0 |
| Architectural Coatings | — | 4.67 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.63 | 3.63 | < 0.005 | < 0.005 | — | 3.65 |
| Architectural Coatings | — | 0.85 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.24. Architectural Coating (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.15 | 0.12 | 0.86 | 1.13 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 134 | 134 | 0.01 | < 0.005 | — | 134 |
| Architectural Coatings | — | 28.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.02 | 0.02 | 0.14 | 0.19 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 21.9 | 21.9 | < 0.005 | < 0.005 | — | 22.0 |
| Architectural Coatings | — | 4.67 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.03 | 0.03 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 3.63 | 3.63 | < 0.005 | < 0.005 | — | 3.65 |
| Architectural Coatings | — | 0.85 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

# 4. Operations Emissions Details

## 4.1. Mobile Emissions by Land Use

### 4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 4.68 | 4.45 | 2.88 | 29.8 | 0.06 | 0.04 | 1.92 | 1.96 | 0.04 | 0.34 | 0.38 | — | 6,143 | 6,143 | 0.24 | 0.28 | 18.3 | 6,250 |
| Unrefrigerated Warehouse-No Rail | 3.15 | 3.01 | 1.87 | 19.2 | 0.04 | 0.03 | 1.21 | 1.24 | 0.02 | 0.21 | 0.24 | — | 3,887 | 3,887 | 0.16 | 0.18 | 11.5 | 3,956 |
| Total | 7.83 | 7.46 | 4.74 | 49.0 | 0.10 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 10,030 | 10,030 | 0.39 | 0.46 | 29.8 | 10,206 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 3.65 | 3.43 | 3.20 | 21.2 | 0.05 | 0.04 | 1.92 | 1.96 | 0.04 | 0.34 | 0.38 | — | 5,413 | 5,413 | 0.26 | 0.29 | 0.47 | 5,506 |
| Unrefrigerated Warehouse-No Rail | 2.46 | 2.31 | 2.07 | 13.8 | 0.03 | 0.03 | 1.21 | 1.24 | 0.02 | 0.21 | 0.24 | — | 3,427 | 3,427 | 0.17 | 0.19 | 0.30 | 3,487 |
| Total | 6.11 | 5.73 | 5.27 | 35.0 | 0.09 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 8,840 | 8,840 | 0.43 | 0.47 | 0.77 | 8,993 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.72 | 0.68 | 0.56 | 4.31 | 0.01 | 0.01 | 0.35 | 0.36 | 0.01 | 0.06 | 0.07 | — | 946 | 946 | 0.04 | 0.05 | 1.30 | 962 |
| Unrefrigerated Warehouse-No Rail | 0.48 | 0.46 | 0.36 | 2.78 | 0.01 | < 0.005 | 0.22 | 0.23 | < 0.005 | 0.04 | 0.04 | — | 599 | 599 | 0.03 | 0.03 | 0.82 | 609 |
| Total | 1.21 | 1.14 | 0.93 | 7.09 | 0.02 | 0.01 | 0.57 | 0.58 | 0.01 | 0.10 | 0.11 | — | 1,544 | 1,544 | 0.07 | 0.08 | 2.13 | 1,571 |

### 4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 4.68 | 4.45 | 2.88 | 29.8 | 0.06 | 0.04 | 1.92 | 1.96 | 0.04 | 0.34 | 0.38 | — | 6,143 | 6,143 | 0.24 | 0.28 | 18.3 | 6,250 |
| Unrefrigerated Warehouse-No Rail | 3.15 | 3.01 | 1.87 | 19.2 | 0.04 | 0.03 | 1.21 | 1.24 | 0.02 | 0.21 | 0.24 | — | 3,887 | 3,887 | 0.16 | 0.18 | 11.5 | 3,956 |
| Total | 7.83 | 7.46 | 4.74 | 49.0 | 0.10 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 10,030 | 10,030 | 0.39 | 0.46 | 29.8 | 10,206 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 3.65 | 3.43 | 3.20 | 21.2 | 0.05 | 0.04 | 1.92 | 1.96 | 0.04 | 0.34 | 0.38 | — | 5,413 | 5,413 | 0.26 | 0.29 | 0.47 | 5,506 |
| Unrefrigerated Warehouse-No Rail | 2.46 | 2.31 | 2.07 | 13.8 | 0.03 | 0.03 | 1.21 | 1.24 | 0.02 | 0.21 | 0.24 | — | 3,427 | 3,427 | 0.17 | 0.19 | 0.30 | 3,487 |
| Total | 6.11 | 5.73 | 5.27 | 35.0 | 0.09 | 0.07 | 3.13 | 3.20 | 0.06 | 0.55 | 0.61 | — | 8,840 | 8,840 | 0.43 | 0.47 | 0.77 | 8,993 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.72 | 0.68 | 0.56 | 4.31 | 0.01 | 0.01 | 0.35 | 0.36 | 0.01 | 0.06 | 0.07 | — | 946 | 946 | 0.04 | 0.05 | 1.30 | 962 |
| Unrefrigerated Warehouse-No Rail | 0.48 | 0.46 | 0.36 | 2.78 | 0.01 | < 0.005 | 0.22 | 0.23 | < 0.005 | 0.04 | 0.04 | — | 599 | 599 | 0.03 | 0.03 | 0.82 | 609 |
| Total | 1.21 | 1.14 | 0.93 | 7.09 | 0.02 | 0.01 | 0.57 | 0.58 | 0.01 | 0.10 | 0.11 | — | 1,544 | 1,544 | 0.07 | 0.08 | 2.13 | 1,571 |

## 4.2. Energy

### 4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | 1,215 | 1,215 | 0.09 | 0.01 | — | 1,220 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,516 | 10,516 | 0.76 | 0.09 | — | 10,562 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 11,730 | 11,730 | 0.85 | 0.10 | — | 11,782 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | 1,215 | 1,215 | 0.09 | 0.01 | — | 1,220 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,516 | 10,516 | 0.76 | 0.09 | — | 10,562 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 11,730 | 11,730 | 0.85 | 0.10 | — | 11,782 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | 201 | 201 | 0.01 | < 0.005 | — | 202 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrige Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,741 | 1,741 | 0.13 | 0.02 | — | 1,749 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 1,942 | 1,942 | 0.14 | 0.02 | — | 1,951 |

### 4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | 1,215 | 1,215 | 0.09 | 0.01 | — | 1,220 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,516 | 10,516 | 0.76 | 0.09 | — | 10,562 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 11,730 | 11,730 | 0.85 | 0.10 | — | 11,782 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | 1,215 | 1,215 | 0.09 | 0.01 | — | 1,220 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,516 | 10,516 | 0.76 | 0.09 | — | 10,562 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 11,730 | 11,730 | 0.85 | 0.10 | — | 11,782 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | 201 | 201 | 0.01 | < 0.005 | — | 202 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,741 | 1,741 | 0.13 | 0.02 | — | 1,749 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 1,942 | 1,942 | 0.14 | 0.02 | — | 1,951 |

### 4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.11 | 0.05 | 0.93 | 0.40 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | — | 1,185 | 1,185 | 0.10 | < 0.005 | — | 1,189 |
| Unrefrigerated Warehouse-No Rail | 0.42 | 0.21 | 3.84 | 3.23 | 0.02 | 0.29 | — | 0.29 | 0.29 | — | 0.29 | — | 4,586 | 4,586 | 0.41 | 0.01 | — | 4,598 |
| Total | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 5,771 | 5,771 | 0.51 | 0.01 | — | 5,787 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.11 | 0.05 | 0.93 | 0.40 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | — | 1,185 | 1,185 | 0.10 | < 0.005 | — | 1,189 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | 0.42 | 0.21 | 3.84 | 3.23 | 0.02 | 0.29 | — | 0.29 | 0.29 | — | 0.29 | — | 4,586 | 4,586 | 0.41 | 0.01 | — | 4,598 |
| Total | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 5,771 | 5,771 | 0.51 | 0.01 | — | 5,787 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.02 | 0.01 | 0.17 | 0.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 196 | 196 | 0.02 | < 0.005 | — | 197 |
| Unrefrigerated Warehouse-No Rail | 0.08 | 0.04 | 0.70 | 0.59 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 759 | 759 | 0.07 | < 0.005 | — | 761 |
| Total | 0.10 | 0.05 | 0.87 | 0.66 | 0.01 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 955 | 955 | 0.08 | < 0.005 | — | 958 |

### 4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.11 | 0.05 | 0.93 | 0.40 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | — | 1,185 | 1,185 | 0.10 | < 0.005 | — | 1,189 |
| Unrefrigerated Warehouse-No Rail | 0.42 | 0.21 | 3.84 | 3.23 | 0.02 | 0.29 | — | 0.29 | 0.29 | — | 0.29 | — | 4,586 | 4,586 | 0.41 | 0.01 | — | 4,598 |
| Total | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 5,771 | 5,771 | 0.51 | 0.01 | — | 5,787 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 0.11 | 0.05 | 0.93 | 0.40 | 0.01 | 0.08 | — | 0.08 | 0.08 | — | 0.08 | — | 1,185 | 1,185 | 0.10 | < 0.005 | — | 1,189 |
| Unrefrigerated Warehouse-No Rail | 0.42 | 0.21 | 3.84 | 3.23 | 0.02 | 0.29 | — | 0.29 | 0.29 | — | 0.29 | — | 4,586 | 4,586 | 0.41 | 0.01 | — | 4,598 |
| Total | 0.53 | 0.27 | 4.78 | 3.63 | 0.03 | 0.37 | — | 0.37 | 0.37 | — | 0.37 | — | 5,771 | 5,771 | 0.51 | 0.01 | — | 5,787 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | 0.02 | 0.01 | 0.17 | 0.07 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 196 | 196 | 0.02 | < 0.005 | — | 197 |
| Unrefrigerated Warehouse-No Rail | 0.08 | 0.04 | 0.70 | 0.59 | < 0.005 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 759 | 759 | 0.07 | < 0.005 | — | 761 |
| Total | 0.10 | 0.05 | 0.87 | 0.66 | 0.01 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 955 | 955 | 0.08 | < 0.005 | — | 958 |

## 4.3. Area Emissions by Source

### 4.3.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Source | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | — | 33.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 5.62 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Landsca Equipment | 6.35 | 5.88 | 0.33 | 38.5 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | — | 150 | 150 | 0.01 | 0.01 | — | 154 |
| Total | 6.35 | 44.8 | 0.33 | 38.5 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | — | 150 | 150 | 0.01 | 0.01 | — | 154 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consum er Products | — | 33.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architect ural Coatings | — | 5.62 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | 38.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consum er Products | — | 6.08 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architect ural Coatings | — | 1.03 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landsca pe Equipme nt | 0.57 | 0.53 | 0.03 | 3.46 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | — | 12.6 |
| Total | 0.57 | 7.63 | 0.03 | 3.46 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | — | 12.6 |

### 4.3.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Source | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer Products | — | 33.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 2.34 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 6.35 | 5.88 | 0.33 | 38.5 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | — | 150 | 150 | 0.01 | 0.01 | — | 154 |
| Total | 6.35 | 41.5 | 0.33 | 38.5 | < 0.005 | 0.05 | — | 0.05 | 0.06 | — | 0.06 | — | 150 | 150 | 0.01 | 0.01 | — | 154 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | — | 33.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 2.34 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | 35.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | — | 6.08 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | — | 0.43 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.57 | 0.53 | 0.03 | 3.46 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | — | 12.6 |
| Total | 0.57 | 7.03 | 0.03 | 3.46 | < 0.005 | < 0.005 | — | < 0.005 | 0.01 | — | 0.01 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | — | 12.6 |

## 4.4. Water Emissions by Land Use

### 4.4.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 8.93 | 27.6 | 36.6 | 0.92 | 0.02 | — | 66.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 332 | 1,028 | 1,360 | 34.2 | 0.82 | — | 2,458 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 8.93 | 27.6 | 36.6 | 0.92 | 0.02 | — | 66.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 332 | 1,028 | 1,360 | 34.2 | 0.82 | — | 2,458 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 1.48 | 4.57 | 6.05 | 0.15 | < 0.005 | — | 10.9 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrige Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 55.0 | 170 | 225 | 5.65 | 0.14 | — | 407 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 56.5 | 175 | 231 | 5.81 | 0.14 | — | 418 |

### 4.4.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 8.93 | 27.6 | 36.6 | 0.92 | 0.02 | — | 66.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 332 | 1,028 | 1,360 | 34.2 | 0.82 | — | 2,458 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 8.93 | 27.6 | 36.6 | 0.92 | 0.02 | — | 66.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 332 | 1,028 | 1,360 | 34.2 | 0.82 | — | 2,458 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 341 | 1,055 | 1,397 | 35.1 | 0.84 | — | 2,524 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 1.48 | 4.57 | 6.05 | 0.15 | < 0.005 | — | 10.9 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 55.0 | 170 | 225 | 5.65 | 0.14 | — | 407 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 56.5 | 175 | 231 | 5.81 | 0.14 | — | 418 |

## 4.5. Waste Emissions by Land Use

### 4.5.2. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 64.1 | 0.00 | 64.1 | 6.41 | 0.00 | — | 224 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 380 | 0.00 | 380 | 38.0 | 0.00 | — | 1,329 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 64.1 | 0.00 | 64.1 | 6.41 | 0.00 | — | 224 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated | — | — | — | — | — | — | — | — | — | — | — | 380 | 0.00 | 380 | 38.0 | 0.00 | — | 1,329 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 10.6 | 0.00 | 10.6 | 1.06 | 0.00 | — | 37.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 62.9 | 0.00 | 62.9 | 6.29 | 0.00 | — | 220 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 73.5 | 0.00 | 73.5 | 7.35 | 0.00 | — | 257 |

### 4.5.1. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 64.1 | 0.00 | 64.1 | 6.41 | 0.00 | — | 224 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 380 | 0.00 | 380 | 38.0 | 0.00 | — | 1,329 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 64.1 | 0.00 | 64.1 | 6.41 | 0.00 | — | 224 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 380 | 0.00 | 380 | 38.0 | 0.00 | — | 1,329 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 444 | 0.00 | 444 | 44.4 | 0.00 | — | 1,554 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | 10.6 | 0.00 | 10.6 | 1.06 | 0.00 | — | 37.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 62.9 | 0.00 | 62.9 | 6.29 | 0.00 | — | 220 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 73.5 | 0.00 | 73.5 | 7.35 | 0.00 | — | 257 |

## 4.6. Refrigerant Emissions by Land Use

### 4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.78 | 5.78 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,979 | 19,979 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.78 | 5.78 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,979 | 19,979 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.96 | 0.96 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,308 | 3,308 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,309 | 3,309 |

### 4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.78 | 5.78 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,979 | 19,979 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5.78 | 5.78 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,979 | 19,979 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 19,985 | 19,985 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Single Family Housing | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 0.96 | 0.96 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,308 | 3,308 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,309 | 3,309 |

## 4.7. Offroad Emissions By Equipment Type

### 4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. Stationary Emissions By Equipment Type

### 4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.9. User Defined Emissions By Equipment Type

### 4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Equipment Type | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. Soil Carbon Accumulation By Vegetation Type

### 4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Vegetation | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

### 4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Species | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Remove | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Vegetation | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Land Use | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

| Species | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 5.1. Construction Schedule

| Phase Name | Phase Type | Start Date | End Date | Days Per Week | Work Days per Phase | Phase Description |
|---|---|---|---|---|---|---|
| Res Site Preparation | Site Preparation | 1/2/2024 | 4/1/2024 | 5.00 | 65.0 | — |

| | | | | | | |
|---|---|---|---|---|---|---|
| Warehouse Site Preparation | Site Preparation | 1/1/2025 | 4/1/2025 | 5.00 | 65.0 | — |
| Res Grading | Grading | 4/2/2024 | 7/2/2024 | 5.00 | 66.0 | — |
| Warehouse Grading | Grading | 4/2/2025 | 7/2/2025 | 5.00 | 66.0 | — |
| Res Building Construction | Building Construction | 7/3/2024 | 7/3/2025 | 5.00 | 262 | — |
| Warehouse Building Construction | Building Construction | 7/3/2025 | 7/3/2026 | 5.00 | 262 | — |
| Warehouse Paving | Paving | 7/4/2026 | 9/4/2026 | 5.00 | 24.0 | — |
| Res Paving | Paving | 8/1/2025 | 9/1/2025 | 5.00 | 22.0 | — |
| Res Architectural Coating | Architectural Coating | 9/2/2025 | 11/24/2025 | 5.00 | 60.0 | — |
| Warehouse Architectural Coating | Architectural Coating | 10/1/2026 | 12/23/2026 | 5.00 | 60.0 | — |

## 5.2. Off-Road Equipment

### 5.2.1. Unmitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Res Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Res Grading | Excavators | Diesel | Average | 1.00 | 8.00 | 148 | 0.41 |
| Res Grading | Graders | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Res Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Res Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Res Building Construction | Skid Steer Loaders | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Res Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 7.00 | 84.0 | 0.37 |
| Res Paving | Pavers | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Res Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Res Paving | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Res Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Res Site Preparation | Graders | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Res Site Preparation | Scrapers | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Res Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Warehouse Site Preparation | Graders | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Warehouse Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Warehouse Grading | Excavators | Diesel | Average | 1.00 | 8.00 | 148 | 0.41 |
| Warehouse Grading | Graders | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Warehouse Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Warehouse Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Warehouse Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Warehouse Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Warehouse Building Construction | Skid Steer Loaders | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Warehouse Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 7.00 | 367 | 0.29 |
| Warehouse Building Construction | Trenchers | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Warehouse Paving | Pavers | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Warehouse Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Warehouse Paving | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Warehouse Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Res Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Warehouse Site Preparation | Scrapers | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Res Building Construction | Trenchers | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Res Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Res Grading | Excavators | Diesel | Average | 1.00 | 8.00 | 148 | 0.41 |
| Res Grading | Graders | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Res Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Res Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Res Building Construction | Skid Steer Loaders | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Res Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 7.00 | 84.0 | 0.37 |
| Res Paving | Pavers | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Res Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Res Paving | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Res Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Res Site Preparation | Graders | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Res Site Preparation | Scrapers | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Res Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Warehouse Site Preparation | Graders | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Warehouse Site Preparation | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Warehouse Grading | Excavators | Diesel | Average | 1.00 | 8.00 | 148 | 0.41 |
| Warehouse Grading | Graders | Diesel | Average | 1.00 | 8.00 | 36.0 | 0.38 |
| Warehouse Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Warehouse Grading | Rubber Tired Loaders | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Warehouse Grading | Rubber Tired Dozers | Diesel | Average | 1.00 | 8.00 | 367 | 0.40 |
| Warehouse Building Construction | Forklifts | Diesel | Average | 2.00 | 8.00 | 82.0 | 0.20 |
| Warehouse Building Construction | Skid Steer Loaders | Diesel | Average | 1.00 | 8.00 | 14.0 | 0.74 |
| Warehouse Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 7.00 | 367 | 0.29 |
| Warehouse Building Construction | Trenchers | Diesel | Average | 1.00 | 8.00 | 46.0 | 0.45 |
| Warehouse Paving | Pavers | Diesel | Average | 1.00 | 8.00 | 81.0 | 0.42 |
| Warehouse Paving | Paving Equipment | Diesel | Average | 1.00 | 8.00 | 89.0 | 0.36 |
| Warehouse Paving | Rollers | Diesel | Average | 2.00 | 8.00 | 36.0 | 0.38 |
| Warehouse Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 6.00 | 37.0 | 0.48 |
| Res Grading | Tractors/Loaders/Backhoes | Diesel | Average | 1.00 | 8.00 | 84.0 | 0.37 |
| Warehouse Site Preparation | Scrapers | Diesel | Average | 1.00 | 8.00 | 423 | 0.48 |
| Res Building Construction | Trenchers | Diesel | Average | 1.00 | 8.00 | 40.0 | 0.50 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Res Site Preparation | — | — | — | — |

| | | | | |
|---|---|---|---|---|
| Res Site Preparation | Worker | 7.50 | 18.5 | LDA,LDT1,LDT2 |
| Res Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |
| Res Site Preparation | Hauling | 9.62 | 20.0 | HHDT |
| Res Site Preparation | Onsite truck | — | — | HHDT |
| Res Grading | — | — | — | — |
| Res Grading | Worker | 12.5 | 18.5 | LDA,LDT1,LDT2 |
| Res Grading | Vendor | — | 10.2 | HHDT,MHDT |
| Res Grading | Hauling | 144 | 20.0 | HHDT |
| Res Grading | Onsite truck | — | — | HHDT |
| Res Building Construction | — | — | — | — |
| Res Building Construction | Worker | 352 | 18.5 | LDA,LDT1,LDT2 |
| Res Building Construction | Vendor | 134 | 10.2 | HHDT,MHDT |
| Res Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Res Building Construction | Onsite truck | — | — | HHDT |
| Res Paving | — | — | — | — |
| Res Paving | Worker | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Res Paving | Vendor | — | 10.2 | HHDT,MHDT |
| Res Paving | Hauling | 0.00 | 20.0 | HHDT |
| Res Paving | Onsite truck | — | — | HHDT |
| Res Architectural Coating | — | — | — | — |
| Res Architectural Coating | Worker | 141 | 18.5 | LDA,LDT1,LDT2 |
| Res Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Res Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Res Architectural Coating | Onsite truck | — | — | HHDT |
| Warehouse Site Preparation | — | — | — | — |
| Warehouse Site Preparation | Worker | 7.50 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |

| | | | | |
|---|---|---|---|---|
| Warehouse Site Preparation | Hauling | 7.69 | 20.0 | HHDT |
| Warehouse Site Preparation | Onsite truck | — | — | HHDT |
| Warehouse Grading | — | — | — | — |
| Warehouse Grading | Worker | 12.5 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Grading | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Grading | Hauling | 75.8 | 20.0 | HHDT |
| Warehouse Grading | Onsite truck | — | — | HHDT |
| Warehouse Building Construction | — | — | — | — |
| Warehouse Building Construction | Worker | 352 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Building Construction | Vendor | 134 | 10.2 | HHDT,MHDT |
| Warehouse Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Warehouse Building Construction | Onsite truck | — | — | HHDT |
| Warehouse Paving | — | — | — | — |
| Warehouse Paving | Worker | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Paving | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Paving | Hauling | 0.00 | 20.0 | HHDT |
| Warehouse Paving | Onsite truck | — | — | HHDT |
| Warehouse Architectural Coating | — | — | — | — |
| Warehouse Architectural Coating | Worker | — | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Warehouse Architectural Coating | Onsite truck | — | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Res Site Preparation | — | — | — | — |
| Res Site Preparation | Worker | 7.50 | 18.5 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| Res Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |
| Res Site Preparation | Hauling | 9.62 | 20.0 | HHDT |
| Res Site Preparation | Onsite truck | — | — | HHDT |
| Res Grading | — | — | — | — |
| Res Grading | Worker | 12.5 | 18.5 | LDA,LDT1,LDT2 |
| Res Grading | Vendor | — | 10.2 | HHDT,MHDT |
| Res Grading | Hauling | 144 | 20.0 | HHDT |
| Res Grading | Onsite truck | — | — | HHDT |
| Res Building Construction | — | — | — | — |
| Res Building Construction | Worker | 352 | 18.5 | LDA,LDT1,LDT2 |
| Res Building Construction | Vendor | 134 | 10.2 | HHDT,MHDT |
| Res Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Res Building Construction | Onsite truck | — | — | HHDT |
| Res Paving | — | — | — | — |
| Res Paving | Worker | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Res Paving | Vendor | — | 10.2 | HHDT,MHDT |
| Res Paving | Hauling | 0.00 | 20.0 | HHDT |
| Res Paving | Onsite truck | — | — | HHDT |
| Res Architectural Coating | — | — | — | — |
| Res Architectural Coating | Worker | 141 | 18.5 | LDA,LDT1,LDT2 |
| Res Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Res Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Res Architectural Coating | Onsite truck | — | — | HHDT |
| Warehouse Site Preparation | — | — | — | — |
| Warehouse Site Preparation | Worker | 7.50 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Site Preparation | Hauling | 7.69 | 20.0 | HHDT |

| | | | | |
|---|---|---|---|---|
| Warehouse Site Preparation | Onsite truck | — | — | HHDT |
| Warehouse Grading | — | — | — | — |
| Warehouse Grading | Worker | 12.5 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Grading | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Grading | Hauling | 75.8 | 20.0 | HHDT |
| Warehouse Grading | Onsite truck | — | — | HHDT |
| Warehouse Building Construction | — | — | — | — |
| Warehouse Building Construction | Worker | 352 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Building Construction | Vendor | 134 | 10.2 | HHDT,MHDT |
| Warehouse Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Warehouse Building Construction | Onsite truck | — | — | HHDT |
| Warehouse Paving | — | — | — | — |
| Warehouse Paving | Worker | 10.0 | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Paving | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Paving | Hauling | 0.00 | 20.0 | HHDT |
| Warehouse Paving | Onsite truck | — | — | HHDT |
| Warehouse Architectural Coating | — | — | — | — |
| Warehouse Architectural Coating | Worker | — | 18.5 | LDA,LDT1,LDT2 |
| Warehouse Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Warehouse Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Warehouse Architectural Coating | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

| Control Strategies Applied | PM10 Reduction | PM2.5 Reduction |
|---|---|---|
| Water unpaved roads twice daily | 55% | 55% |

| | | |
|---|---|---|
| Limit vehicle speeds on unpaved roads to 25 mph | 44% | 44% |

## 5.5. Architectural Coatings

| Phase Name | Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|---|---|---|---|---|---|
| Res Architectural Coating | 816,815 | 272,272 | 562,250 | 187,417 | — |
| Warehouse Architectural Coating | 816,815 | 272,272 | 562,250 | 187,417 | — |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (Cubic Yards) | Material Exported (Cubic Yards) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Res Site Preparation | — | 5,000 | 123 | 0.00 | — |
| Warehouse Site Preparation | — | 3,999 | 97.5 | 0.00 | — |
| Res Grading | 76,000 | — | 66.0 | 0.00 | — |
| Warehouse Grading | 40,000 | — | 66.0 | 0.00 | — |
| Warehouse Paving | 0.00 | 0.00 | 0.00 | 0.00 | 26.5 |
| Res Paving | 0.00 | 0.00 | 0.00 | 0.00 | 26.5 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 2 | 61% | 61% |

## 5.7. Construction Paving

| Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|
| Single Family Housing | 9.25 | 50% |

| | | |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 17.3 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2024 | 0.00 | 457 | 0.03 | < 0.005 |
| 2025 | 0.00 | 457 | 0.03 | < 0.005 |
| 2026 | 0.00 | 457 | 0.03 | < 0.005 |

## 5.9. Operational Mobile Sources

### 5.9.1. Unmitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 1,028 | 1,028 | 1,028 | 375,045 | 7,013 | 7,013 | 7,013 | 2,559,816 |
| Unrefrigerated Warehouse-No Rail | 700 | 700 | 700 | 255,491 | 4,427 | 4,427 | 4,427 | 1,615,714 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Single Family Housing | 1,028 | 1,028 | 1,028 | 375,045 | 7,013 | 7,013 | 7,013 | 2,559,816 |
| Unrefrigerated Warehouse-No Rail | 700 | 700 | 700 | 255,491 | 4,427 | 4,427 | 4,427 | 1,615,714 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

#### 5.10.1.2. Mitigated

### 5.10.2. Architectural Coatings

| Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|---|---|---|---|---|
| 1633630.275 | 544,543 | 1,124,501 | 374,834 | — |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 180 |

### 5.10.4. Landscape Equipment - Mitigated

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 180 |

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

#### Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|---|---|---|---|---|---|
| Single Family Housing | 971,281 | 457 | 0.0330 | 0.0040 | 3,698,689 |
| Unrefrigerated Warehouse-No Rail | 8,407,077 | 457 | 0.0330 | 0.0040 | 14,308,362 |

### 5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

| Land Use | Electricity (kWh/yr) | CO2 | CH4 | N2O | Natural Gas (kBTU/yr) |
|---|---|---|---|---|---|
| Single Family Housing | 971,281 | 457 | 0.0330 | 0.0040 | 3,698,689 |
| Unrefrigerated Warehouse-No Rail | 8,407,077 | 457 | 0.0330 | 0.0040 | 14,308,362 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Single Family Housing | 4,662,247 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 173,437,500 | 0.00 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Single Family Housing | 4,662,247 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 173,437,500 | 0.00 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Single Family Housing | 33.4 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 705 | 0.00 |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Single Family Housing | 33.4 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 705 | 0.00 |

## 5.14. Operational Refrigeration and Air Conditioning Equipment

### 5.14.1. Unmitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| Single Family Housing | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Single Family Housing | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |
| Unrefrigerated Warehouse-No Rail | Cold storage | R-404A | 3,922 | 7.50 | 7.50 | 7.50 | 25.0 |

### 5.14.2. Mitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|
| Single Family Housing | Average room A/C & Other residential A/C and heat pumps | R-410A | 2,088 | < 0.005 | 2.50 | 2.50 | 10.0 |
| Single Family Housing | Household refrigerators and/or freezers | R-134a | 1,430 | 0.12 | 0.60 | 0.00 | 1.00 |
| Unrefrigerated Warehouse-No Rail | Cold storage | R-404A | 3,922 | 7.50 | 7.50 | 7.50 | 25.0 |

## 5.15. Operational Off-Road Equipment

#### 5.15.1. Unmitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|

#### 5.15.2. Mitigated

| Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|

## 5.16. Stationary Sources

#### 5.16.1. Emergency Generators and Fire Pumps

| Equipment Type | Fuel Type | Number per Day | Hours per Day | Hours per Year | Horsepower | Load Factor |
|---|---|---|---|---|---|---|

#### 5.16.2. Process Boilers

| Equipment Type | Fuel Type | Number | Boiler Rating (MMBtu/hr) | Daily Heat Input (MMBtu/day) | Annual Heat Input (MMBtu/yr) |
|---|---|---|---|---|---|

## 5.17. User Defined

| Equipment Type | Fuel Type |
|---|---|
| — | — |

## 5.18. Vegetation

#### 5.18.1. Land Use Change

#### 5.18.1.1. Unmitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

#### 5.18.1.2. Mitigated

| Vegetation Land Use Type | Vegetation Soil Type | Initial Acres | Final Acres |
|---|---|---|---|

### 5.18.1. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

#### 5.18.1.2. Mitigated

| Biomass Cover Type | Initial Acres | Final Acres |
|---|---|---|

### 5.18.2. Sequestration

#### 5.18.2.1. Unmitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

#### 5.18.2.2. Mitigated

| Tree Type | Number | Electricity Saved (kWh/year) | Natural Gas Saved (btu/year) |
|---|---|---|---|

# 6. Climate Risk Detailed Report

## 6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

| Climate Hazard | Result for Project Location | Unit |
|---|---|---|
| Temperature and Extreme Heat | 25.6 | annual days of extreme heat |

| | | |
|---|---|---|
| Extreme Precipitation | 0.00 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 0.00 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

## 6.2. Initial Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | 0 | 0 | 0 | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | N/A | N/A | N/A | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

## 6.3. Adjusted Climate Risk Scores

| Climate Hazard | Exposure Score | Sensitivity Score | Adaptive Capacity Score | Vulnerability Score |
|---|---|---|---|---|
| Temperature and Extreme Heat | 1 | 1 | 1 | 2 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | N/A | N/A | N/A | N/A |
| Wildfire | N/A | N/A | N/A | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | 1 | 1 | 1 | 2 |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | N/A | N/A | N/A | N/A |

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

## 6.4. Climate Risk Reduction Measures

# 7. Health and Equity Details

## 7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Exposure Indicators | — |
| AQ-Ozone | 58.2 |
| AQ-PM | 31.2 |
| AQ-DPM | 40.0 |
| Drinking Water | 25.4 |
| Lead Risk Housing | 14.5 |
| Pesticides | 81.5 |

| | |
|---|---|
| Toxic Releases | 15.1 |
| Traffic | 53.0 |
| Effect Indicators | — |
| CleanUp Sites | 85.6 |
| Groundwater | 43.8 |
| Haz Waste Facilities/Generators | 82.4 |
| Impaired Water Bodies | 83.0 |
| Solid Waste | 0.00 |
| Sensitive Population | — |
| Asthma | 85.6 |
| Cardio-vascular | 74.8 |
| Low Birth Weights | 8.03 |
| Socioeconomic Factor Indicators | — |
| Education | 59.6 |
| Housing | 2.13 |
| Linguistic | 83.8 |
| Poverty | 39.4 |
| Unemployment | 76.7 |

## 7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

| Indicator | Result for Project Census Tract |
|---|---|
| Economic | — |
| Above Poverty | 63.72385474 |
| Employed | 41.16514821 |
| Median HI | 70.537662 |
| Education | — |

| | |
|---|---|
| Bachelor's or higher | 40.07442577 |
| High school enrollment | 100 |
| Preschool enrollment | 51.58475555 |
| Transportation | — |
| Auto Access | 71.35891184 |
| Active commuting | 5.196971641 |
| Social | — |
| 2-parent households | 81.00859746 |
| Voting | 35.90401642 |
| Neighborhood | — |
| Alcohol availability | 78.01873476 |
| Park access | 34.32567689 |
| Retail density | 36.50712178 |
| Supermarket access | 27.61452586 |
| Tree canopy | 0.859745926 |
| Housing | — |
| Homeownership | 74.16912614 |
| Housing habitability | 71.92352111 |
| Low-inc homeowner severe housing cost burden | 77.21031695 |
| Low-inc renter severe housing cost burden | 57.53881689 |
| Uncrowded housing | 41.84524573 |
| Health Outcomes | — |
| Insured adults | 52.48299756 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 31.2 |
| High Blood Pressure | 0.0 |
| Cancer (excluding skin) | 0.0 |

| | |
|---|---|
| Asthma | 0.0 |
| Coronary Heart Disease | 0.0 |
| Chronic Obstructive Pulmonary Disease | 0.0 |
| Diagnosed Diabetes | 0.0 |
| Life Expectancy at Birth | 93.0 |
| Cognitively Disabled | 56.3 |
| Physically  Disabled | 43.7 |
| Heart Attack ER Admissions | 36.4 |
| Mental Health Not Good | 0.0 |
| Chronic Kidney Disease | 0.0 |
| Obesity | 0.0 |
| Pedestrian Injuries | 19.6 |
| Physical Health Not Good | 0.0 |
| Stroke | 0.0 |
| Health Risk Behaviors | — |
| Binge Drinking | 0.0 |
| Current Smoker | 0.0 |
| No Leisure Time for Physical Activity | 0.0 |
| Climate Change Exposures | — |
| Wildfire Risk | 0.0 |
| SLR Inundation Area | 0.0 |
| Children | 19.0 |
| Elderly | 71.6 |
| English Speaking | 33.5 |
| Foreign-born | 60.1 |
| Outdoor Workers | 33.4 |
| Climate Change Adaptive Capacity | — |

| | |
|---|---|
| Impervious Surface Cover | 79.0 |
| Traffic Density | 45.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 59.4 |
| Other Decision Support | — |
| 2016 Voting | 0.0 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 62.0 |
| Healthy Places Index Score for Project Location (b) | 58.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | No |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | El Centro Corridor |

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

## 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

# 8. User Changes to Default Data

| Screen | Justification |
|---|---|

| | |
|---|---|
| Land Use | Specs provided by project description |
| Construction: Construction Phases | Phases provided by construction questionnaire |
| Construction: Off-Road Equipment | Changes reflect equipment from construction questionnaire |
| Construction: On-Road Fugitive Dust | Majority of roads in El Centro are paved, project site is approx 15% paved |
| Construction: Paving | warehouse area will be entirely paved, residential uses largely paved with exception to yards |
| Operations: Road Dust | Project area will be entirely paved |
| Operations: Hearths | no fireplaces or wood stoves would be used in Project operations |
| Operations: Vehicle Data | Changes made based off of traffic info provided by MBI |
| Construction: Dust From Material Movement | Material movement data from construction questionnaire |
| Construction: Architectural Coatings | Mitigation measure AQ-1 |