# 11.11 Greenhouse Gas Analysis

# Beaumont Heights Business Centre

## GREENHOUSE GAS ANALYSIS

### CITY OF BEAUMONT

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# TABLE OF CONTENTS

**TABLE OF CONTENTS** ..... **I**
**APPENDICES II**
**LIST OF EXHIBITS** ..... **II**
**LIST OF TABLES** ..... **II**
**LIST OF ABBREVIATED TERMS** ..... **III**
**EXECUTIVE SUMMARY** ..... **8**
ES.1 Summary of Findings ..... 8
ES.2 Project Requirements ..... 8
ES.3 Project Mitigation Measures ..... 9
**1 INTRODUCTION** ..... **15**
1.1 Site Location ..... 15
1.2 Project Description ..... 15
**2 CLIMATE CHANGE SETTING** ..... **21**
2.1 Introduction to Global Climate Change (GCC) ..... 21
2.2 Global Climate Change Defined ..... 21
2.3 GHGs ..... 21
2.4 Global Warming Potential ..... 27
2.5 GHG Emissions Inventories ..... 28
2.6 Effects of Climate Change in California ..... 29
2.7 Regulatory Setting ..... 31
**3 PROJECT GHG IMPACT** ..... **52**
3.1 Introduction ..... 52
3.2 Standards of Significance ..... 52
3.3 Models Employed To Analyze GHGs ..... 54
3.4 Life-Cycle Analysis Not Required ..... 55
3.5 Construction Emissions ..... 55
3.6 Operational Emissions ..... 58
3.7 GHG Emissions Findings and Recommendations ..... 65
**4 REFERENCES** ..... **77**
**5 CERTIFICATIONS** ..... **82**

# APPENDICES

**APPENDIX 3.1: CALEEMOD PROJECT CONSTRUCTION EMISSIONS MODEL OUTPUTS**
**APPENDIX 3.2: CALEEMOD PROJECT REGIONAL OPERATIONAL EMISSIONS MODEL OUTPUTS – OPTION A**
**APPENDIX 3.3: CALEEMOD PROJECT REGIONAL OPERATIONAL EMISSIONS MODEL OUTPUTS – OPTION B**

# LIST OF EXHIBITS

**EXHIBIT 1-A: LOCATION MAP ..... 18**
**EXHIBIT 1-B: LAND USE PLAN ..... 19**
**EXHIBIT 2-A: SUMMARY OF PROJECTED GLOBAL WARMING IMPACT, 2070-2099 (AS COMPARED WITH 1961-1990) ..... 27**

# LIST OF TABLES

**TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS ..... 8**
**TABLE 2-1: GHGS ..... 22**
**TABLE 2-2: GWP AND ATMOSPHERIC LIFETIME OF SELECT GHGS ..... 28**
**TABLE 2-3: TOP GHG PRODUCING COUNTRIES AND THE EUROPEAN UNION ..... 28**
**TABLE 3-1: CONSTRUCTION DURATION – OPTION A AND OPTION B ..... 56**
**TABLE 3-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS – OPTION A AND OPTION B ..... 57**
**TABLE 3-3: AMORTIZED ANNUAL CONSTRUCTION EMISSIONS – OPTION A AND OPTION B ..... 58**
**TABLE 3-4: PASSENGER CAR FLEET MIX ..... 60**
**TABLE 3-5: TRUCK FLEET MIX ..... 61**
**TABLE 3-6: GHG EMISSIONS – OPTION A (WITHOUT MITIGATION) ..... 66**
**TABLE 3-7: GHG EMISSIONS – OPTION B (WITHOUT MITIGATION) ..... 67**
**TABLE 3-8: GHG EMISSIONS – OPTION A (WITH MITIGATION) ..... 70**
**TABLE 3-9: GHG EMISSIONS – OPTION B (WITH MITIGATION) ..... 71**
**TABLE 3-10: CONSISTENCY WITH SUSTAINABLE BEAUMONT GOALS ..... 74**

# LIST OF ABBREVIATED TERMS

| | |
|---|---|
| % | Percent |
| °C | Degrees Celsius |
| °F | Degrees Fahrenheit |
| (1) | Reference |
| *2017 Scoping Plan* | *Final 2017 Scoping Plan Update* |
| AB | Assembly Bill |
| AB 32 | Global Warming Solutions Act of 2006 |
| AB 1493 | Pavley Fuel Efficiency Standards |
| AB 1881 | California Water Conservation Landscaping Act of 2006 |
| Annex I | Industrialized Nations |
| APA | Administrative Procedure Act |
| AQIA | *Beaumont Heights Business Centre Air Quality Impact Analysis* |
| BAU | Business as Usual |
| $C_2F_6$ | Hexafluoroethane |
| $C_2H_6$ | Ethane |
| $C_2H_2F_4$ | Tetrafluroethane |
| $C_2H_4F_2$ | Ethylidene Fluoride |
| CAA | Federal Clean Air Act |
| CalEEMod | California Emissions Estimator Model |
| CalEPA | California Environmental Protection Agency |
| CALGAPS | California LBNL GHG Analysis of Policies Spreadsheet |
| CALGreen | California Green Building Standards Code |
| CAPCOA | California Air Pollution Control Officers Association |
| CARB | California Air Resource Board |
| CEC | California Energy Commission |
| CCR | California Code of Regulations |
| CEQA | California Environmental Quality Act |
| *CEQA Guidelines* | *2019 CEQA Statute and Guidelines* |
| CDFA | California Department of Food and Agriculture |
| $CF_4$ | Tetrafluoromethane |
| CFC | Chlorofluorocarbons |
| CFC-113 | Trichlorotrifluoroethane |
| $CH_4$ | Methane |
| City | City of Beaumont |
| CNRA | California Natural Resources Agency |

| | |
|---|---|
| *CNRA 2009* | *2009 California Climate Adaptation Strategy* |
| $CO_2$ | Carbon Dioxide |
| $CO_2e$ | Carbon Dioxide Equivalent |
| Convention | United Nation's Framework Convention on Climate Change |
| COP | Conference of the Parties |
| CPUC | California Public Utilities Commission |
| CTC | California Transportation Commission |
| DWR | Department of Water Resources |
| EMFAC | Emission Factor Model |
| EPA | Environmental Protection Agency |
| EV | Electric Vehicle |
| GCC | Global Climate Change |
| Gg | Gigagram |
| GHGA | Greenhouse Gas Analysis |
| gpd | Gallons Per Day |
| GWP | Global Warming Potential |
| $H_2O$ | Water |
| HFC | Hydrofluorocarbons |
| HDT | Heavy-Duty Trucks |
| HFC-23 | Fluoroform |
| HFC-134a | 1,1,1,2-tetrafluoroethane |
| HFC-152a | 1,1-difluoroethane |
| HHDT | Heavy-Heavy-Duty Trucks |
| IPCC | Intergovernmental Panel on Climate Change |
| IRP | Integrated Resource Planning |
| ISO | Independent System Operator |
| kWh | Kilowatt Hours |
| lbs | Pounds |
| LBNL | Lawrence Berkeley National Laboratory |
| LCA | Life-Cycle Analysis |
| LCD | Liquid Crystal Display |
| LCFS | Low Carbon Fuel Standard or Executive Order S-01-07 |
| LDA | Light-Duty Auto |
| LDT1/LDT2 | Light-Duty Trucks |
| LEV III | Low-Emission Vehicle |
| LHDT1/LHDT2 | Light-Heavy-Duty Trucks |
| LULUCF | Land-Use, Land-Use Change and Forestry |
| MCY | Motorcycles |

| | |
|---|---|
| MD | Medium Duty |
| MDT | Medium-Duty Trucks |
| MDV | Medium-Duty Vehicles |
| MHDT | Medium-Heavy-Duty Trucks |
| $MMTCO_2e$ | Million Metric Ton of Carbon Dioxide Equivalent |
| mpg | Miles Per Gallon |
| MPOs | Metropolitan Planning Organizations |
| $MMTCO_2e/yr.$ | Million Metric Ton of Carbon Dioxide Equivalent Per Year |
| MT/yr. | Metric Tons Per Year |
| $MTCO_2e$ | Metric Ton of Carbon Dioxide Equivalent |
| $MTCO_2e/yr.$ | Metric Ton of Carbon Dioxide Equivalent Per Year |
| MW | Megawatts |
| MWh | Megawatts Per Hour |
| MWELO | California Department of Water Resources' Model Water Efficient |
| $N_2O$ | Nitrous Oxide |
| NDC | Nationally Determined Contributions |
| $NF_3$ | Nitrogen Trifluoride |
| NHTSA | National Highway Traffic Safety Administration |
| NIOSH | National Institute for Occupational Safety and Health |
| $NO_X$ | Nitrogen Oxides |
| Non-Annex I | Developing Nations |
| OAL | Office of Administrative Law |
| OPR | Office of Planning and Research |
| PFC | Perfluorocarbons |
| ppb | Parts Per Billion |
| ppm | Parts Per Million |
| ppt | Parts Per Trillion |
| Project | Beaumont Heights Business Centre |
| RTP | Regional Transportation Plan |
| SAFE | Safer Affordable Fuel-Efficient Vehicles Rule |
| SB | Senate Bill |
| SB 32 | California Global Warming Solutions Act of 2006 |
| SB 375 | Regional GHG Emissions Reduction Targets/Sustainable Communities Strategies |
| SB 1078 | Renewable Portfolio Standards |
| SB 1368 | Statewide Retail Provider Emissions Performance Standards |

| | |
|---|---|
| SCAB | South Coast Air Basin |
| SCAG | Southern California Association of Governments |
| SCAQMD | South Coast Air Quality Management District |
| Scoping Plan | California Air Resources Board Climate Change Scoping Plan |
| SCS | Sustainable Communities Strategy |
| sf | Square Feet |
| $SF_6$ | Sulfur Hexaflouride |
| SLPS | Short-Lived Climate Pollutant Strategy |
| SP | Service Population |
| TDM | Transportation Demand Measures |
| Title 20 | Appliance Energy Efficiency Standards |
| TRU | Transport Refrigeration Unit |
| Title 24 | California Building Code |
| U.N. | United Nations |
| U.S. | United States |
| UNFCCC | United Nations' Framework Convention on Climate Change |
| VMT | Vehicle Miles Traveled |
| WCI | Western Climate Initiative |
| WRI | World Resources Institute |
| ZE/NZE | Zero and Near-Zero Emissions |
| ZEV | Zero-Emissions Vehicles |

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# EXECUTIVE SUMMARY

## ES.1 SUMMARY OF FINDINGS

The results of this *Beaumont Heights Business Centre Greenhouse Gas Analysis* (GHGA) is summarized below based on the significance criteria in Section 4 of this report consistent with Appendix G of the *CEQA Guidelines* (*CEQA Guidelines*) (1). Table ES-1 shows the findings of GHG impacts under CEQA.

**TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS**

| Analysis | Report Section | Significance Findings | |
|---|---|---|---|
| | | Unmitigated | Mitigated |
| GHG Impact #1: The Project would not generate direct or indirect GHG emission that would result in a significant impact on the environment. | 3.7 | *Potentially Significant* | *Significant and Unavoidable* |
| GHG Impact #2: The Project would not conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs. | 3.7 | *Potentially Significant* | *Significant and Unavoidable* |

## ES.2 PROJECT REQUIREMENTS

The Project would be required to comply with regulations imposed by the State of California and the South Coast Air Quality Management District (SCAQMD) aimed at the reduction of air pollutant emissions. Those that are directly and indirectly applicable to the Project and that would assist in the reduction of GHG emissions include:

- Global Warming Solutions Act of 2006 (Assembly Bill [AB] 32) (2).
- Regional GHG Emissions Reduction Targets/Sustainable Communities Strategies (Senate Bill [SB] 375) (3).
- Pavley Fuel Efficiency Standards (AB 1493). Establishes fuel efficiency ratings for new vehicles (4).
- California Building Code (Title 24 California Code of Regulations [CCR]). Establishes energy efficiency requirements for new construction (5).
- Appliance Energy Efficiency Standards (Title 20 CCR). Establishes energy efficiency requirements for appliances (6).
- Low Carbon Fuel Standard (LCFS). Requires carbon content of fuel sold in California to be 10 percent (%) less by 2020 (7).
- California Water Conservation in Landscaping Act of 2006 (AB 1881). Requires local agencies to adopt the Department of Water Resources updated Water Efficient Landscape Ordinance or equivalent to ensure efficient landscapes in new development and reduced water waste in existing landscapes (8).

- Statewide Retail Provider Emissions Performance Standards (SB 1368). Requires energy generators to achieve performance standards for GHG emissions (9).
- Renewable Portfolio Standards (SB 1078 – also referred to as RPS). Requires electric corporations to increase the amount of energy obtained from eligible renewable energy resources to 20% by 2010 and 33% by 2020 (10).
- California Global Warming Solutions Act of 2006 (SB 32). Requires the state to reduce statewide GHG emissions to 40% below 1990 levels by 2030, a reduction target that was first introduced in Executive Order B-30-15 (11).
- SCAQMD Rule 2305. The SCAQMD adopted Rule 2305, the Warehouse Indirect Source Rule, on May 7, 2021. Owners and operators associated with warehouses 100,000 square feet (sf) or larger are required to directly reduce nitrogen oxides ($NO_X$) and particulate matter emissions, or to otherwise facilitate emission and exposure reductions of these pollutants in nearby communities.

It should be noted that these regulations are accounted for in the California Emissions Estimator Model (CalEEMod) modeling performed for the proposed Project.

## ES.3 PROJECT MITIGATION MEASURES

The following Project-specific mitigation measures (MM AQ-9 through MM AQ-30) were identified in the *Beaumont Heights Business Centre Air Quality Impact Analysis Report* (AQIA) (Urban Crossroads, Inc.) (12) These measures are designed to reduce Project operational-source emissions. With implementation of MM AQ-13, the analysis assumed that building 1 would include installation of a 250 kW solar photovoltaic system, and buildings 2 through 4 would each include a 500 kW solar photovoltaic system. With implementation of MM AQ-10, the analysis assumed that all operational off-road equipment would be electric-powered. Additionally, with implementation of MM AQ-30, the analysis assumed a 20 percent reduction in indoor and outdoor water usage. However, for the remaining mitigation measures it should be noted that there is no way to quantify these reductions in the California Emissions Estimator Model (CalEEMod), and therefore, to provide a conservative disclosure of Project emissions, no reductions in emissions are assumed to occur even with implementation of these measures. Notwithstanding the foregoing, it is likely that all of the below measures will decrease Project emissions.

**MM AQ-9**

The Project Applicant/Developer/Operator shall post both interior and exterior facing signs directed at all dock and delivery areas, identifying idling restrictions and contact information to report violations to CARB, SCAQMD, and the building manager.

**MM AQ-10**

The Project Applicant/Developer/Tenant shall ensure that all building tenants utilize only electric service yard trucks (hostlers), pallet jacks, forklifts, and other onsite operational equipment through requirements in lease agreements and provide the necessary electrical charging stations.

**MM AQ-11**

The Project Applicant/Developer/Operator shall construct electric truck charging infrastructure consisting of infrastructure (i.e., conduit) to support future installation of charging stations, when such trucks are widely available and economically feasible as determined by the Community Development Director.

**MM AQ-12**

The Project Applicant/Director/Operator shall construct electric light-duty truck charging infrastructure consisting of infrastructure (i.e., conduit) proportional for one charging station for every five light-duty truck parking spaces at the Project.

**MM AQ-13**

The Project Applicant/Director/Operator shall install all necessary infrastructure (i.e., wiring, reinforced roofs) to allow solar photovoltaic systems on the Project site to be installed in the future, with a specified electrical generation capacity, such as equal to the building's projected energy needs.

**MM AQ-14**

The Project owner shall require facility operators to train managers and employees on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks.

**MM AQ-15**

The Project owner shall require operators to establish and promote a rideshare program that discourages single-occupancy vehicle trips and provides financial incentives for alternate modes of transportation, including carpooling, public transit, and biking.

**MM AQ-16**

The Project Applicant/Developer/Owner shall post signs at every truck exit driveway providing directional information to the truck route.

**MM AQ-17**

The Project Applicant/Developer/Owner shall require that every tenant train its staff in charge of keeping vehicle records in diesel technologies and compliance with CARB regulations by attending CARB-approved courses. Also, if the tenant/facility operator owns its own fleet of vehicles subject to 13 California Code of Regulations Section 2025, require such tenants/facility operators to maintain records on-site demonstrating compliance and make sure records are available for inspection by the local jurisdiction, air district, and state upon request.

**MM AQ-18**

The Project Applicant/Developer/Owner shall encourage tenants to enroll in the United States Environmental Protection Agency's SmartWay program and encourage tenants to use carriers that are SmartWay carriers.

**MM AQ-19**

The Project Applicant/Developer/Owner shall provide tenants with information on incentive programs, such as the Carl Moyer Program and Voucher Incentive Program, to upgrade their fleets.

**MM AQ-20**

Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas of the Project that identify applicable CARB anti-idling regulations. At a minimum, each sign shall include: 1) instructions for truck drivers to shut off engines when not in use; 2) instructions for drivers of diesel trucks to restrict idling to no more than three (3) minutes once the vehicle is stopped, the transmission is set to "neutral" or "park," and the parking brake is engaged; and 3) telephone numbers of the building facilities manager to report violations. Prior to issuance of an occupancy permit, the City shall conduct a site inspection to ensure that the signs are in place.

**MM AQ-21**

Prior to the issuing of each building permit, the project proponent and its contractors shall provide plans and specifications to the City of Beaumont Building Department that demonstrate that each project building is designed for passive heating and cooling and is designed to include natural light. Features designed to achieve this shall include the proper placement of windows, overhangs, and skylights.

**MM AQ-22**

Prior to the issuing of each building permit, the project proponent shall provide plans and specifications to the City of Beaumont Building Department that demonstrate that electrical service is provided to each of the areas in the vicinity of the building that are to be landscaped in order that electrical equipment may be used for landscape maintenance.

**MM AQ-23**

The warehouse/industrial buildings' electrical room shall be sufficiently sized to hold additional panels that may be needed to supply power for the future installation of electric vehicle (EV) truck charging stations on the site. Conduit should be installed from the electrical room to tractor trailer parking spaces in a logical location(s) on the site determined by the Project Applicant during construction document plan check, for the purpose of accommodating the future installation of EV truck charging stations at such time this technology becomes commercially available and the buildings are being served by trucks with electric-powered engines.

**MM AQ-24**

The buildings' electrical room shall be sufficiently sized to hold additional panels that may be needed in the future to supply power to trailers with transport refrigeration units (TRUs) during the loading/unloading of refrigerated goods. Conduit should be installed from the electrical room to the loading docks determined by the Project Applicant during construction document plan check as the logical location(s) to receive trailers with TRUs.

**MM AQ-25**

Upon occupancy and annually thereafter, the facility operator shall provide information to all tenants, with instructions that the information shall be provided to employees and truck drivers as appropriate, regarding:

- Building energy efficiency, solid waste reduction, recycling, and water conservation.
- Vehicle GHG emissions, electric vehicle charging availability, and alternate transportation opportunities for commuting.
- Participation in the Voluntary Interindustry Commerce Solutions (VICS) "Empty Miles" program to improve goods trucking efficiencies.
- Health effects of diesel particulates, State regulations limiting truck idling time, and the benefits of minimized idling.
- The importance of minimizing traffic, noise, and air pollutant impacts to any residences in the Project vicinity.

**MM AQ-26**

Prior to issuance of a building permit, the project proponent shall provide the City with an onsite signage program that clearly identifies the required onsite circulation system, for the industrial portion of the Project. This shall be accomplished through posted signs and painting on driveways and internal roadways.

**MM AQ-27**

Prior to issuance of an occupancy permit, the City shall confirm that signs clearly identifying approved truck routes have been installed along the truck routes to and from the Project site.

**MM AQ-28**

Prior to issuance of an occupancy permit, the project proponent for the industrial portion of the Project, shall install a sign on the property with telephone, email, and regular mail contact information for a designated representative of the tenant who would receive complaints about excessive noise, dust, fumes, or odors. The sign shall also identify contact data for the City for perceived Code violations. The tenant's representative shall keep records of any complaints received and actions taken to communicate with the complainant and resolve the complaint. The tenant's representative shall endeavor to resolve complaints within 48 hours.

**MM AQ-29**

Prior to issuance of a building permit for the industrial portion of the Project, the project proponent shall provide the City with project specifications, drawings, and calculations that demonstrate that main electrical supply lines and panels have been sized to support heavy truck charging facilities when these trucks become available. The calculations shall be based on reasonable predictions from currently available truck manufacturer's data. Electrical system upgrades that exceed reasonable costs shall not be required.

**MM AQ-30**

To reduce water demands and associated energy use, the Project is required to implement a Water Conservation Strategy and demonstrate a minimum 20 percent (%) reduction in indoor

and outdoor water usage when compared to baseline water demand (total expected water demand without implementation of the Water Conservation Strategy). Prior to the issuance of building permits for the Project, the Project applicant shall provide building plans that could include the following water conservation measures:

- Install low-water use appliances and fixtures
- Restrict the use of water for cleaning outdoor surfaces and prohibit systems that apply water to non-vegetated surfaces
- Implement water-sensitive urban design practices in new construction
- Install rainwater collection systems

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# 1 INTRODUCTION

This report presents the results of the GHGA prepared by Urban Crossroads, Inc., for the proposed Beaumont Heights Business Centre (Project). The purpose of this GHGA is to evaluate Project-related construction and operational emissions and determine the level of GHG impacts as a result of constructing and operating the Project.

## 1.1 SITE LOCATION

The Project area is comprised of 385.6 acres which lies on vacant land within unincorporated Riverside County, west/southwest of the City of Beaumont and within the City of Beaumont Sphere of Influence (SOI), as shown on Exhibit 1-A. As one of the requested discretionary actions, the majority of the Project site would be annexed into the City of Beaumont.

## 1.2 PROJECT DESCRIPTION

The proposed Project would include approximately 5,182,891 square feet of combined office and industrial building area.

**TABLE 1-1: PROJECT SQUARE FOOTAGE ASSUMPTIONS**

| Building | Proposed Development[1] |
|---|---|
| 1 | 641,622 Square Feet |
| 2 | 1,386,044 Square Feet |
| 3 | 1,488,920 Square Feet |
| 4 | 1,666,305 Square Feet |
| **Total** | **5,182,891 Square Feet** |

[1]Square footage includes office and industrial space.

The proposed Project could develop under one of two development Options, detailed below as Option A and Option B. Option A assumes a 50/50 split between High-Cube Fulfillment Center Warehouses (Sort Facility) and High-Cube Fulfillment Center Warehouses (Non-Sort Facility). Option B would assumes a 50/50 split between High-Cube Fulfillment Center Warehouse (Sort Facility), 1,000,000 square feet dedicated to High-Cube Cold Storage Warehouse, and 1,073,156 square feet of warehousing space. A conceptual site plan is shown on Exhibit 1-B. Under both Options the Project would be developed over four phases, as described below:

**Option A:**

**a. Phase 1 (2028)**

- 192.487 TSF High-Cube Fulfillment Center (Non-Sort Warehouse)
- 192.487 TSF High-Cube Fulfillment Center (Sort Warehouse)
- 256.648 TSF General Warehousing

**b. Phase 2 (2029)**

- 608.300 TSF High-Cube Fulfillment Center (Non-Sort Warehouse)

- 608.300 TSF High-Cube Fulfillment Center (Sort Warehouse)
- 811.066 TSF General Warehousing

**c. Phase 3 (2030)**

- 1,054.976 TSF High-Cube Fulfillment Center (Non-Sort Warehouse)
- 1,054.976 TSF High-Cube Fulfillment Center (Sort Warehouse)
- 1,406.634 TSF General Warehousing

**d. Phase 4 (2032)**

- 1,554.868 TSF High-Cube Fulfillment Center (Non-Sort Warehouse)
- 1,554.867 TSF High-Cube Fulfillment Center (Sort Warehouse)
- 2,073.156 TSF General Warehousing

**Option B:**

**a. Phase 1 (2028)**

- 123.796 TSF High-Cube Cold Storage Warehouse
- 192.487 TSF High-Cube Fulfillment Center (Non-Sort Warehouse)
- 192.487 TSF High-Cube Fulfillment Center (Sort Warehouse)
- 132.853 TSF General Warehousing

**b. Phase 2 (2029)**

- 391.223 TSF High-Cube Cold Storage Warehouse
- 608.300 TSF High-Cube Fulfillment Center (Non-Sort Warehouse)
- 608.300 TSF High-Cube Fulfillment Center (Sort Warehouse)
- 419.843 TSF General Warehousing

**c. Phase 3 (2030)**

- 678.499 TSF High-Cube Cold Storage Warehouse
- 1,054.976 TSF High-Cube Fulfillment Center (Non-Sort Warehouse)
- 1,054.976 TSF High-Cube Fulfillment Center (Sort Warehouse)
- 728.135 TSF General Warehousing

**d. Phase 4 (2032)**

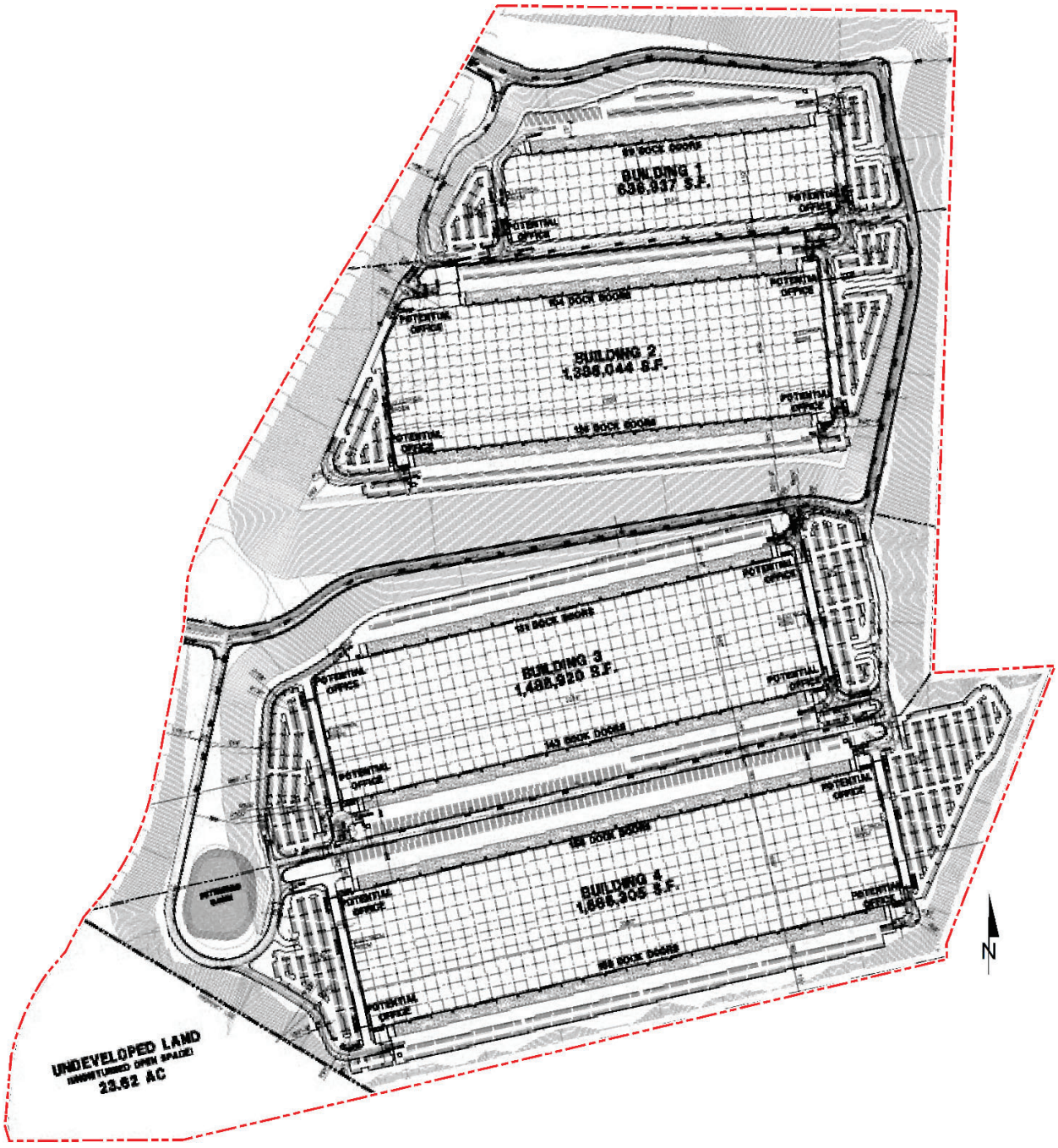
- 1,000.000 TSF High-Cube Cold Storage Warehouse
- 1,554.868 TSF High-Cube Fulfillment Center (Non-Sort Warehouse)
- 1,554.867 TSF High-Cube Fulfillment Center (Sort Warehouse)
- 1,073.156 TSF General Warehousing

As evaluated in the Beaumont Heights Business Centre Traffic Analysis (13), under Option A the Project is expected to generate a total of 16,380 two-way trips per day at buildout, including 14,478 two-way passenger vehicle trips per day and 1,902 two-way truck trips per day. Under Option B the Project is expected to generate a total of 16,792 two-way trips per day at buildout, including 14,738 two-way passenger vehicle trips per day and 2,054 two-way truck trips per day.

The proposed Project would be all electric and would not include provisions for the installation of natural gas plumbing and appliances.

## EXHIBIT 1-A: LOCATION MAP

## EXHIBIT 1-B: LAND USE PLAN



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# 2 CLIMATE CHANGE SETTING

## 2.1 INTRODUCTION TO GLOBAL CLIMATE CHANGE (GCC)

GCC is defined as the change in average meteorological conditions on the earth with respect to temperature, precipitation, and storms. The majority of scientists believe that the climate shift taking place since the Industrial Revolution is occurring at a quicker rate and magnitude than in the past. Scientific evidence suggests that GCC is the result of increased concentrations of GHGs in the earth's atmosphere, including carbon dioxide ($CO_2$), methane ($CH_4$), nitrous oxide ($N_2O$), and fluorinated gases. The majority of scientists believe that this increased rate of climate change is the result of GHGs resulting from human activity and industrialization over the past 200 years.

An individual project, like the Project evaluated in this GHGA, cannot generate enough GHG emissions to affect a discernible change in global climate. However, the Project may participate in the potential for GCC by its incremental contribution of GHGs combined with the cumulative increase of all other sources of GHGs, which when taken together constitute potential influences on GCC. Because these changes may have serious environmental consequences, Section 3 will evaluate the potential for the Project to have a significant effect upon the environment as a result of its potential contribution to the greenhouse effect.

## 2.2 GLOBAL CLIMATE CHANGE DEFINED

GCC refers to the change in average meteorological conditions on the earth with respect to temperature, wind patterns, precipitation, and storms. Global temperatures are regulated by naturally occurring atmospheric gases such as water vapor, $CO_2$, $N_2O$, $CH_4$, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride ($SF_6$). These particular gases are important due to their residence time (duration they stay) in the atmosphere, which ranges from 10 years to more than 100 years. These gases allow solar radiation into the earth's atmosphere, but prevent radiative heat from escaping, thus warming the earth's atmosphere. GCC can occur naturally as it has in the past with the previous ice ages.

Gases that trap heat in the atmosphere are often referred to as GHGs. GHGs are released into the atmosphere by both natural and anthropogenic activity. Without the natural GHG effect, the earth's average temperature would be approximately 61 degrees Fahrenheit (°F) cooler than it is currently. The cumulative accumulation of these gases in the earth's atmosphere is considered to be the cause for the observed increase in the earth's temperature.

## 2.3 GHGS

### 2.3.1 GHGS AND HEALTH EFFECTS

GHGs trap heat in the atmosphere, creating a GHG effect that results in global warming and climate change. Many gases demonstrate these properties as discussed in Table 2-1. For the purposes of this analysis, emissions of $CO_2$, $CH_4$, and $N_2O$ were evaluated because these gases are the primary contributors to GCC from development projects. Although there are other substances such as fluorinated gases that also contribute to GCC, these fluorinated gases were

not evaluated as their sources are not well-defined and do not contain accepted emissions factors or methodology to accurately calculate these gases.

**TABLE 2-1: GHGS**

| GHGs | Description | Sources | Health Effects |
|---|---|---|---|
| Water | Water is the most abundant, important, and variable GHG in the atmosphere. Water vapor is not considered a pollutant; in the atmosphere, it maintains a climate necessary for life. Changes in its concentration are primarily considered to be a result of climate feedbacks related to the warming of the atmosphere rather than a direct result of industrialization. Climate feedback is an indirect, or secondary, change, either positive or negative, that occurs within the climate system in response to a forcing mechanism. The feedback loop in which water is involved is critically important to projecting future climate change.<br><br>As the temperature of the atmosphere rises, more water is evaporated from ground storage (rivers, oceans, reservoirs, soil). Because the air is warmer, the relative humidity can be higher (in essence, the air is able to 'hold' more water when it is warmer), leading to more water vapor in the atmosphere. As a GHG, the higher concentration of water vapor is then able to absorb more thermal indirect energy radiated from the earth, thus further warming the atmosphere. The warmer atmosphere can then hold more water vapor and so on. This is referred to as a "positive feedback loop." The extent to which this positive feedback loop would continue is unknown as there are also dynamics that hold the positive feedback loop | The main source of water vapor is evaporation from the oceans (approximately 85%). Other sources include evaporation from other water bodies, sublimation (change from solid to gas) from sea ice and snow, and transpiration from plant leaves. | There are no known direct health effects related to water vapor at this time. It should be noted however that when some pollutants react with water vapor, the reaction forms a transport mechanism for some of these pollutants to enter the human body through water vapor. |

| GHGs | Description | Sources | Health Effects |
|---|---|---|---|
| | in check. As an example, when water vapor increases in the atmosphere, more of it would eventually condense into clouds, which are more able to reflect incoming solar radiation (thus allowing less energy to reach the earth's surface and heat it up) (14). | | |
| $CO_2$ | $CO_2$ is an odorless and colorless GHG. Since the industrial revolution began in the mid-1700s, the sort of human activity that increases GHG emissions has increased dramatically in scale and distribution. Data from the past 50 years suggests a corollary increase in levels and concentrations. As an example, prior to the industrial revolution, $CO_2$ concentrations were fairly stable at 280 parts per million (ppm). Today, they are around 370 ppm, an increase of more than 30%. Left unchecked, the concentration of $CO_2$ in the atmosphere is projected to increase to a minimum of 540 ppm by 2100 as a direct result of anthropogenic sources (15). | $CO_2$ is emitted from natural and manmade sources. Natural sources include: the decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources include: the burning of coal, oil, natural gas, and wood. $CO_2$ is naturally removed from the air by photosynthesis, dissolution into ocean water, transfer to soils and ice caps, and chemical weathering of carbonate rocks (16). | Outdoor levels of $CO_2$ are not high enough to result in negative health effects.<br><br>According to the National Institute for Occupational Safety and Health (NIOSH) high concentrations of $CO_2$ can result in health effects such as: headaches, dizziness, restlessness, difficulty breathing, sweating, increased heart rate, increased cardiac output, increased blood pressure, coma, asphyxia, and/or convulsions. It should be noted that current concentrations of $CO_2$ in the earth's atmosphere are estimated to be approximately 370 ppm, the actual reference exposure level (level at which adverse health effects typically occur) is at exposure levels of 5,000 ppm averaged over 10 hours in a 40-hour workweek and short-term reference exposure levels of 30,000 ppm averaged over a 15-minute period (17). |

| GHGs | Description | Sources | Health Effects |
|---|---|---|---|
| $CH_4$ | $CH_4$ is an extremely effective absorber of radiation, although its atmospheric concentration is less than $CO_2$ and its lifetime in the atmosphere is brief (10-12 years), compared to other GHGs. | $CH_4$ in the atmosphere is generated by many different sources, such as fossil fuel production, transport and use, from the decay of organic matter in wetlands, and as a byproduct of digestion by ruminant animals such as cows. Determining which specific sources are responsible for variations in annual increases of $CH_4$ is complex, but scientists estimate that fossil fuel production and use contributes roughly 30% of the total $CH_4$ emissions. These industrial sources of $CH_4$ are relatively simple to pinpoint and control using current technology (18). | $CH_4$ is extremely reactive with oxidizers, halogens, and other halogen-containing compounds. Exposure to elevated levels of $CH_4$ can cause asphyxiation, loss of consciousness, headache and dizziness, nausea and vomiting, weakness, loss of coordination, and an increased breathing rate. |
| $N_2O$ | $N_2O$, also known as laughing gas, is a colorless GHG. Concentrations of $N_2O$ also began to rise at the beginning of the industrial revolution. In 1998, the global concentration was 314 parts per billion (ppb). | $N_2O$ is produced by microbial processes in soil and water, including those reactions which occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its | $N_2O$ can cause dizziness, euphoria, and sometimes slight hallucinations. In small doses, it is considered harmless. However, in some cases, heavy and extended use can cause Olney's Lesions (brain damage) (19). |

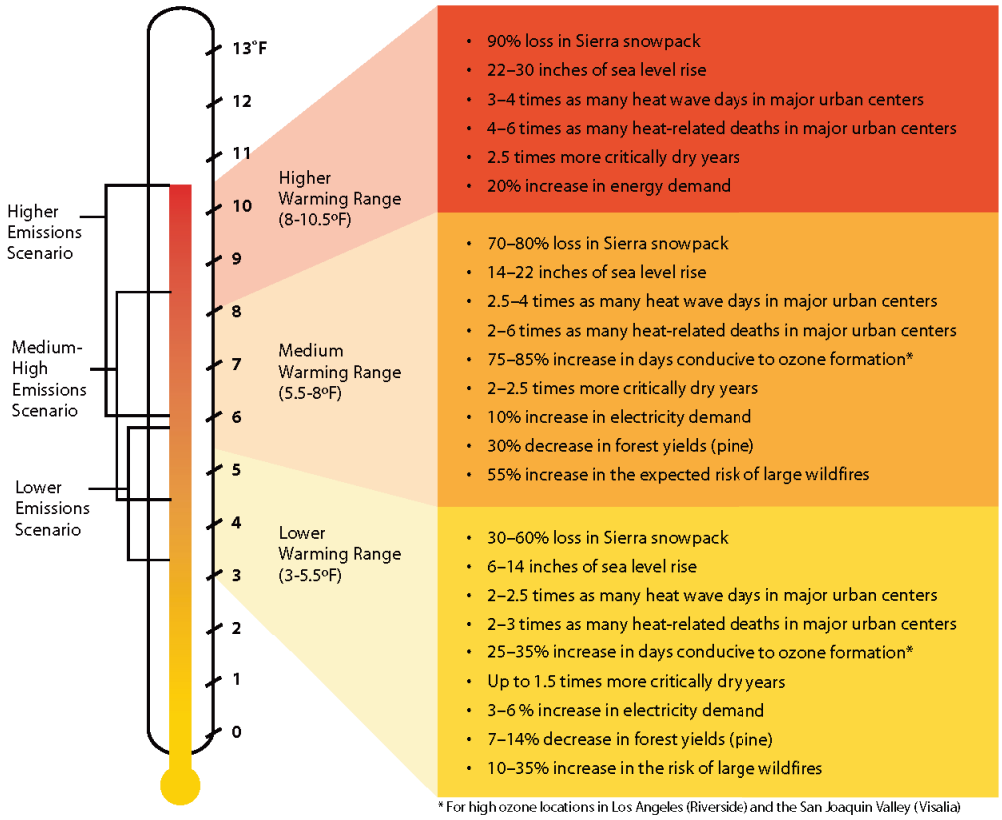
| GHGs | Description | Sources | Health Effects |
|---|---|---|---|
| | | atmospheric load. It is used as an aerosol spray propellant, i.e., in whipped cream bottles. It is also used in potato chip bags to keep chips fresh. It is used in rocket engines and in race cars. $N_2O$ can be transported into the stratosphere, be deposited on the earth's surface, and be converted to other compounds by chemical reaction (19). | |
| Chlorofluorocarbons (CFCs) | CFCs are gases formed synthetically by replacing all hydrogen atoms in $CH_4$ or ethane ($C_2H_6$) with chlorine and/or fluorine atoms. CFCs are nontoxic, nonflammable, insoluble and chemically unreactive in the troposphere (the level of air at the earth's surface). | CFCs have no natural source. They are found in aerosol sprays, blowing agents for foams and packing materials, as solvents, and as refrigerants. (20). | In confined indoor locations, working with CFC-113 or other CFCs is thought to result in death by cardiac arrhythmia (heart frequency too high or too low) or asphyxiation. |
| HFCs | HFCs are synthetic, man-made chemicals that are used as a substitute for CFCs. Out of all the GHGs, they are one of three groups with the highest global warming potential (GWP). The HFCs with the largest measured atmospheric abundances are (in order), Fluoroform (HFC-23), 1,1,1,2-tetrafluoroethane (HFC-134a), and 1,1-difluoroethane (HFC-152a). Prior to 1990, the only significant emissions were of HFC-23. HCF-134a emissions are increasing due to its use as a refrigerant. | HFCs are manmade for applications such as automobile air conditioners and refrigerants. | No health effects are known to result from exposure to HFCs. |

| GHGs | Description | Sources | Health Effects |
|---|---|---|---|
| PFCs | PFCs have stable molecular structures and do not break down through chemical processes in the lower atmosphere. High-energy ultraviolet rays, which occur about 60 kilometers above earth's surface, are able to destroy the compounds. Because of this, PFCs have exceptionally long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane ($CF_4$) and hexafluoroethane ($C_2F_6$). The EPA estimates that concentrations of $CF_4$ in the atmosphere are over 70 parts per trillion (ppt). | The two main sources of PFCs are primary aluminum production and semiconductor manufacture. | No health effects are known to result from exposure to PFCs. |
| $SF_6$ | $SF_6$ is an inorganic, odorless, colorless, nontoxic, nonflammable gas. It also has the highest GWP of any gas evaluated (23,900) (21). The EPA indicates that concentrations in the 1990s were about 4 ppt. | $SF_6$ is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection. | In high concentrations in confined areas, the gas presents the hazard of suffocation because it displaces the oxygen needed for breathing. |
| Nitrogen Trifluoride ($NF_3$) | $NF_3$ is a colorless gas with a distinctly moldy odor. The World Resources Institute (WRI) indicates that $NF_3$ has a 100-year GWP of 17,200 (22). | $NF_3$ is used in industrial processes and is produced in the manufacturing of semiconductors, Liquid Crystal Display (LCD) panels, types of solar panels, and chemical lasers. | Long-term or repeated exposure may affect the liver and kidneys and may cause fluorosis (23). |

The potential health effects related directly to the emissions of $CO_2$, $CH_4$, and $N_2O$ as they relate to development projects, such as the Project are still being debated in the scientific community. Their cumulative effects to GCC have the potential to cause adverse effects to human health. Increases in Earth's ambient temperatures would result in more intense heat waves, causing more heat-related deaths. Climate change would likely cause shifts in weather patterns,

potentially resulting in devastating droughts and food shortages in some areas (24). Exhibit 2-A presents the potential impacts of global warming (25).

**EXHIBIT 2-A: SUMMARY OF PROJECTED GLOBAL WARMING IMPACT, 2070-2099 (AS COMPARED WITH 1961-1990)**




Source: Barbara H. Allen-Diaz. "Climate change affects us all." *University of California, Agriculture and Natural Resources*, 2009.

## 2.4 GLOBAL WARMING POTENTIAL

GHGs have varying GWP values. The GWP of a GHG indicates the amount of warming a gas causes over a given period of time and represents the potential of a gas to trap heat in the atmosphere. $CO_2$ is utilized as the reference gas for GWP, and thus has a GWP of 1. $CO_2$ equivalent ($CO_2e$) is a term used for describing the different GHGs in a common unit. $CO_2e$ signifies the amount of $CO_2$ which would have the equivalent GWP.

The Intergovernmental Panel on Climate Change (IPCC) is the international body for assessing the science related to climate change. IPCC Assessment Reports cover the full scientific, technical and socio-economic assessment of climate change. The atmospheric lifetime and GWP of selected GHGs are summarized at Table 2-2. As shown in the table below, GWP for the 2nd Assessment range from 1 for $CO_2$ to 23,900 for $SF_6$ and GWP for the 6th Assessment Report range from 1 for $CO_2$ to 25,200 for $SF_6$ (26).

**TABLE 2-2: GWP AND ATMOSPHERIC LIFETIME OF SELECT GHGS**

| Gas | Atmospheric Lifetime (years) | GWP (100-year time horizon) | |
|---|---|---|---|
| | | 2nd Assessment Report | 6th Assessment Report |
| $CO_2$ | Multiple | 1 | 1 |
| $CH_4$ | 11.8 | 21 | 28 |
| $N_2O$ | 109 | 310 | 273 |
| HFC-23 | 228 | 11,700 | 14,600 |
| HFC-134a | 14 | 1,300 | 1,526 |
| HFC-152a | 1.6 | 140 | 164 |
| $SF_6$ | 3,200 | 23,900 | 25,200 |

Source: IPCC Second Assessment Report, 1995 and IPCC Sixth Assessment Report, 2023

## 2.5 GHG EMISSIONS INVENTORIES

### 2.5.1 GLOBAL

Worldwide anthropogenic GHG emissions are tracked by the IPCC for industrialized nations (referred to as Annex I) and developing nations (referred to as Non-Annex I). Human GHG emissions data for Annex I nations are available through 2021. Based on the latest available data, the sum of these emissions totaled approximately 28,272,940 gigagram (Gg) $CO_2e$[1] (27) (28) as summarized on Table 2-3.

### 2.5.2 UNITED STATES

As noted in Table 2-3, the United States, as a single country, was the number two producer of GHG emissions in 2021.

**TABLE 2-3: TOP GHG PRODUCING COUNTRIES AND THE EUROPEAN UNION**

| Emitting Countries | GHG Emissions (Gg $CO_2e$) |
|---|---|
| China | 12,300,200 |
| United States | 6,340,228 |
| European Union (27-member countries) | 3,468,394 |
| India | 2,839,425 |
| Russian Federation | 2,156,599 |
| Japan | 1,168,094 |

[1] The global emissions are the sum of Annex I and non-Annex I countries, without counting Land-Use, Land-Use Change and Forestry (LULUCF). For countries without 2021 data, the United Nations' Framework Convention on Climate Change (UNFCCC) data for the most recent year were used U.N. Framework Convention on Climate Change, "Annex I Parties – GHG total without LULUCF," The most recent GHG emissions for China and India are from 2014 and 2016, respectively.

| Emitting Countries | GHG Emissions (Gg $CO_2e$) |
|---|---|
| Total | 28,272,940 |

### 2.5.3 STATE OF CALIFORNIA

California has significantly slowed the rate of growth of GHG emissions due to the implementation of energy efficiency programs as well as adoption of strict emission controls but is still a substantial contributor to the United States (U.S.) emissions inventory total (19). The California Air Resource Board (CARB) compiles GHG inventories for the State of California. Based upon the 2023 GHG inventory data (i.e., the latest year for which data are available) for the 2000-2021 GHG emissions period, California emitted an average 381.3 million metric tons of $CO_2e$ per year ($MMTCO_2e/yr$) or 381,300 Gg $CO_2e$ (6.01% of the total United States GHG emissions) (29). Based on data published by the U.S. Energy Information Administration, California's per capita (9.12 metric tons) GHG emissions are much less than the nationwide per capita (15.8 metric ton) average (30).

## 2.6 EFFECTS OF CLIMATE CHANGE IN CALIFORNIA

### 2.6.1 PUBLIC HEALTH

Higher temperatures may increase the frequency, duration, and intensity of conditions conducive to air pollution formation. For example, days with weather conducive to ozone formation could increase from 25 to 35% under the lower warming range to 75 to 85% under the medium warming range. In addition, if global background ozone levels increase as predicted in some scenarios, it may become impossible to meet local air quality standards. Air quality could be further compromised by increases in wildfires, which emit fine particulate matter that can travel long distances, depending on wind conditions. Based on *Our Changing Climate Assessing the Risks to California by the California Climate Change Center*, large wildfires could become up to 55% more frequent if GHG emissions are not significantly reduced (31).

In addition, under the higher warming range scenario, there could be up to 100 more days per year with temperatures above 90°F in Los Angeles and 95°F in Sacramento by 2100. This is a significant increase over historical patterns and approximately twice the increase projected if temperatures remain within or below the lower warming range. Rising temperatures could increase the risk of death from dehydration, heat stroke/exhaustion, heart attack, stroke, and respiratory distress caused by extreme heat.

### 2.6.2 WATER RESOURCES

A vast network of man-made reservoirs and aqueducts captures and transports water throughout the state from northern California rivers and the Colorado River. The current distribution system relies on Sierra Nevada snowpack to supply water during the dry spring and summer months. Rising temperatures, potentially compounded by decreases in precipitation, could severely reduce spring snowpack, increasing the risk of summer water shortages.

If temperatures continue to increase, more precipitation could fall as rain instead of snow, and the snow that does fall could melt earlier, reducing the Sierra Nevada spring snowpack by as

much as 70 to 90%. Under the lower warming range scenario, snowpack losses could be only half as large as those possible if temperatures were to rise to the higher warming range. How much snowpack could be lost depends in part on future precipitation patterns, the projections for which remain uncertain. However, even under the wetter climate projections, the loss of snowpack could pose challenges to water managers and hamper hydropower generation. It could also adversely affect winter tourism. Under the lower warming range, the ski season at lower elevations could be reduced by as much as a month. If temperatures reach the higher warming range and precipitation declines, there might be many years with insufficient snow for skiing and snowboarding.

The State's water supplies are also at risk from rising sea levels. An influx of saltwater could degrade California's estuaries, wetlands, and groundwater aquifers. Saltwater intrusion caused by rising sea levels is a major threat to the quality and reliability of water within the southern edge of the Sacramento/San Joaquin River Delta – a major fresh water supply.

### 2.6.3 AGRICULTURE

Increased temperatures could cause widespread changes to the agriculture industry reducing the quantity and quality of agricultural products statewide. First, California farmers could possibly lose as much as 25% of the water supply needed. Although higher $CO_2$ levels can stimulate plant production and increase plant water-use efficiency, California's farmers could face greater water demand for crops and a less reliable water supply as temperatures rise. Crop growth and development could change, as could the intensity and frequency of pest and disease outbreaks. Rising temperatures could aggravate ozone pollution, which makes plants more susceptible to disease and pests and interferes with plant growth.

Plant growth tends to be slow at low temperatures, increasing with rising temperatures up to a threshold. However, faster growth can result in less-than-optimal development for many crops, so rising temperatures could worsen the quantity and quality of yield for a number of California's agricultural products. Products likely to be most affected include wine grapes, fruits, and nuts.

In addition, continued GCC could shift the ranges of existing invasive plants and weeds and alter competition patterns with native plants. Range expansion could occur in many species while range contractions may be less likely in rapidly evolving species with significant populations already established. Should range contractions occur, new or different weed species could fill the emerging gaps. Continued GCC could alter the abundance and types of many pests, lengthen pests' breeding season, and increase pathogen growth rates.

### 2.6.4 FORESTS AND LANDSCAPES

GCC has the potential to intensify the current threat to forests and landscapes by increasing the risk of wildfire and altering the distribution and character of natural vegetation. If temperatures rise into the medium warming range, the risk of large wildfires in California could increase by as much as 55%, which is almost twice the increase expected if temperatures stay in the lower warming range. However, since wildfire risk is determined by a combination of factors, including precipitation, winds, temperature, and landscape and vegetation conditions, future risks would

not be uniform throughout the state. In contrast, wildfires in northern California could increase by up to 90% due to decreased precipitation.

Moreover, continued GCC has the potential to alter natural ecosystems and biological diversity within the state. For example, alpine and subalpine ecosystems could decline by as much as 60 to 80% by the end of the century as a result of increasing temperatures. The productivity of the state's forests has the potential to decrease as a result of GCC.

### 2.6.5 Rising Sea Levels

Rising sea levels, more intense coastal storms, and warmer water temperatures could increasingly threaten the state's coastal regions. Under the higher warming range scenario, sea level is anticipated to rise 22 to 35 inches by 2100. Elevations of this magnitude would inundate low-lying coastal areas with saltwater, accelerate coastal erosion, threaten vital levees and inland water systems, and disrupt wetlands and natural habitats. Under the lower warming range scenario, sea level could rise 12-14 inches.

## 2.7 Regulatory Setting

### 2.7.1 International Regulatory Framework

Climate change is a global issue involving GHG emissions from all around the world; therefore, countries such as the ones discussed below have made an effort to reduce GHGs.

#### IPCC

In 1988, the United Nations (U.N.) and the World Meteorological Organization established the IPCC to assess the scientific, technical, and socioeconomic information relevant to understanding the scientific basis of risk of human-induced climate change, its potential impacts, and options for adaptation and mitigation.

#### United Nation's Framework Convention on Climate Change (UNFCCC)

On March 21, 1994, the U.S. joined a number of countries around the world in signing the Convention. Under the UNFCCC, governments gather and share information on GHG emissions, national policies, and best practices; launch national strategies for addressing GHG emissions and adapting to expected impacts, including the provision of financial and technological support to developing countries; and cooperate in preparing for adaptation to the impacts of climate change.

#### International Climate Change Treaties

The Kyoto Protocol is an international agreement linked to the UNFCCC. The major feature of the Kyoto Protocol is that it sets binding targets for 37 industrialized countries and the European Union for reducing GHG emissions at an average of 5% against 1990 levels over the five-year period 2008–2012. The Convention (as discussed above) encouraged industrialized countries to stabilize emissions; however, the Protocol commits them to do so. Developed countries have contributed more emissions over the last 150 years; therefore, the Protocol places a heavier

burden on developed nations under the principle of "common but differentiated responsibilities."

In 2001, President George W. Bush indicated that he would not submit the treaty to the U.S. Senate for ratification, which effectively ended American involvement in the Kyoto Protocol. In December 2009, international leaders met in Copenhagen to address the future of international climate change commitments post-Kyoto. No binding agreement was reached in Copenhagen; however, the UN Climate Change Committee identified the long-term goal of limiting the maximum global average temperature increase to no more than 2 degrees Celsius (°C) above pre-industrial levels, subject to a review in 2015. The Committee held additional meetings in Durban, South Africa in November 2011; Doha, Qatar in November 2012; and Warsaw, Poland in November 2013. The meetings gradually gained consensus among participants on individual climate change issues.

On September 23, 2014, more than 100 heads of state and leaders from the private sector and civil society met at the Climate Summit in New York hosted by the U.N. At the Summit, attendees announced actions in areas that would have the greatest impact on reducing emissions, including climate finance, energy, transport, industry, agriculture, cities, forests, and building resilience.

Parties to the UNFCCC reached a landmark agreement on December 12, 2015, in Paris, charting a fundamentally new course in the two-decade-old global climate effort. Culminating a four-year negotiating round, the new treaty ends the strict differentiation between developed and developing countries that characterized earlier efforts, replacing it with a common framework that commits all countries to put forward their best efforts and to strengthen them in the years ahead. This includes, for the first time, requirements that all parties report regularly on their emissions and implementation efforts and undergo international review.

The agreement and a companion decision by parties were the key outcomes of the conference, known as the 21st session of the UNFCCC Conference of the Parties (COP) 21. Together, the Paris Agreement and the accompanying COP decision:

- Reaffirm the goal of limiting global temperature increase well below 2°C, while urging efforts to limit the increase to 1.5 degrees;
- Establish binding commitments by all parties to make "nationally determined contributions" (NDCs), and to pursue domestic measures aimed at achieving them;
- Commit all countries to report regularly on their emissions and "progress made in implementing and achieving" their NDCs, and to undergo international review;
- Commit all countries to submit new NDCs every five years, with the clear expectation that they would "represent a progression" beyond previous ones;
- Reaffirm the binding obligations of developed countries under the UNFCCC to support the efforts of developing countries, while for the first time encouraging voluntary contributions by developing countries too;
- Extend the current goal of mobilizing $100 billion a year in support by 2020 through 2025, with a new, higher goal to be set for the period after 2025;

- Extend a mechanism to address "loss and damage" resulting from climate change, which explicitly would not "involve or provide a basis for any liability or compensation;"
- Require parties engaging in international emissions trading to avoid "double counting;" and
- Call for a new mechanism, similar to the Clean Development Mechanism under the Kyoto Protocol, enabling emission reductions in one country to be counted toward another country's NDC (C2ES 2015a) (32).

Following President Biden's day one executive order, the United States officially rejoined the landmark Paris Agreement on February 19, 2021.

### 2.7.2 National Regulatory Framework

Prior to the last decade, there have been no concrete federal regulations of GHGs or major planning for climate change adaptation. The following are actions regarding the federal government, GHGs, and fuel efficiency.

#### GHG Endangerment

In *Massachusetts v. Environmental Protection Agency* 549 U.S. 497 (2007), decided on April 2, 2007, the United States Supreme Court (Supreme Court) found that four GHGs, including $CO_2$, are air pollutants subject to regulation under Section 202(a)(1) of the Clean Air Act (CAA). The Supreme Court held that the EPA Administrator must determine whether emissions of GHGs from new motor vehicles cause or contribute to air pollution, which may reasonably be anticipated to endanger public health or welfare, or whether the science is too uncertain to make a reasoned decision. On December 7, 2009, the EPA Administrator signed two distinct findings regarding GHGs under Section 202(a) of the CAA:

- Endangerment Finding: The Administrator finds that the current and projected concentrations of the six key well-mixed GHGs— $CO_2$, $CH_4$, $N_2O$, HFCs, PFCs, and $SF_6$—in the atmosphere threaten the public health and welfare of current and future generations.
- Cause or Contribute Finding: The Administrator finds that the combined emissions of these well-mixed GHGs from new motor vehicles and new motor vehicle engines contribute to the GHG pollution, which threatens public health and welfare.

These findings do not impose requirements on industry or other entities. However, this was a prerequisite for implementing GHG emissions standards for vehicles, as discussed in the section "Clean Vehicles" below. After a lengthy legal challenge, the Supreme Court declined to review an Appeals Court ruling that upheld the EPA Administrator's findings (33).

#### Clean Vehicles

Congress first passed the Corporate Average Fuel Economy law in 1975 to increase the fuel economy of cars and light duty trucks. The law has become more stringent over time. On April 1, 2010, the EPA, and the Department of Transportation's National Highway Traffic Safety Administration (NHTSA) announced a joint final rule establishing a national program that would reduce GHG emissions and improve fuel economy for new cars and trucks sold in the U.S.

The first phase of the national program applies to passenger cars, light-duty trucks, and medium-duty (MD) passenger vehicles, covering model years 2012 through 2016. They require these vehicles to meet an estimated combined average emissions level of 250 grams of $CO_2$ per mile, equivalent to 35.5 miles per gallon (mpg) if the automobile industry were to meet this $CO_2$ level solely through fuel economy improvements. Together, these standards would cut $CO_2$ emissions by an estimated 960 million metric tons and 1.8 billion barrels of oil over the lifetime of the vehicles sold under the program (model years 2012–2016). In August 2012, the EPA and the NHTSA issued final rules on a second-phase joint rulemaking establishing national standards for light-duty vehicles for model years 2017 through 2025. The new standards apply to passenger cars, light-duty trucks, and MD passenger vehicles. The final standards are projected to result in an average industry fleetwide level of 163 grams/mile of $CO_2$ in model year 2025, which is equivalent to 54.5 mpg if achieved exclusively through fuel economy improvements.

The EPA and the U.S. Department of Transportation issued final rules for the first national standards to reduce GHG emissions and improve fuel efficiency of heavy-duty trucks (HDT) and buses on September 15, 2011, effective November 14, 2011. For combination tractors, the agencies are proposing engine and vehicle standards that begin in the 2014 model year and achieve up to a 20% reduction in $CO_2$ emissions and fuel consumption by the 2018 model year. For HDT and vans, the agencies are proposing separate gasoline and diesel truck standards, which phase in starting in the 2014 model year and achieve up to a 10% reduction for gasoline vehicles and a 15% reduction for diesel vehicles by the 2018 model year (12 and 17% respectively if accounting for air conditioning leakage). Lastly, for vocational vehicles, the engine and vehicle standards would achieve up to a 10% reduction in fuel consumption and $CO_2$ emissions from the 2014 to 2018 model years.

On April 2, 2018, the EPA signed the Mid-term Evaluation Final Determination, which declared that the MY 2022-2025 GHG standards are not appropriate and should be revised (34). This Final Determination serves to initiate a notice to further consider appropriate standards for MY 2022-2025 light-duty vehicles. On August 2, 2018, the NHTSA in conjunction with the EPA, released a notice of proposed rulemaking, the *Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021-2026 Passenger Cars and Light Trucks* (SAFE Vehicles Rule). The SAFE Vehicles Rule was proposed to amend existing Corporate Average Fuel Economy (CAFE) and tailpipe $CO_2$ standards for passenger cars and light trucks and to establish new standards covering model years 2021 through 2026. As of March 31, 2020, the NHTSA and EPA finalized the SAFE Vehicle Rule which increased stringency of CAFE and $CO_2$ emissions standards by 1.5% each year through model year 2026 (35). On December 21, 2021, after reviewing all the public comments submitted on NHTSA's April 2021 Notice of Proposed Rulemaking, NHTSA finalizes the CAFE Preemption rulemaking to withdraw its portions of the so-called SAFE I Rule. The final rule concluded that the SAFE I Rule overstepped the agency's legal authority and established overly broad prohibitions that did not account for a variety of important state and local interests. The final rule ensures that the SAFE I Rule will no longer form an improper barrier to states exploring creative solutions to address their local communities' environmental and public health challenges (36).

On March 31, 2022, NHTSA finalized CAFE standards for MY 2024-2026. The standards for passenger cars and light trucks for MYs 2024-2025 were increased at a rate of 8% per year and

then increased at a rate of 10% per year for MY 2026 vehicles. NHTSA currently projects that the revised standards would require an industry fleet-wide average of roughly 49 mpg in MY 2026 and would reduce average fuel outlays over the lifetimes of affected vehicles that provide consumers hundreds of dollars in net savings. These standards are directly responsive to the agency's statutory mandate to improve energy conservation and reduce the nation's energy dependence on foreign sources (37).

#### MANDATORY REPORTING OF GHGS

The Consolidated Appropriations Act of 2008, passed in December 2007, requires the establishment of mandatory GHG reporting requirements. On September 22, 2009, the EPA issued the Final Mandatory Reporting of GHGs Rule, which became effective January 1, 2010. The rule requires reporting of GHG emissions from large sources and suppliers in the U.S. and is intended to collect accurate and timely emissions data to inform future policy decisions. Under the rule, suppliers of fossil fuels or industrial GHGs, manufacturers of vehicles and engines, and facilities that emit 25,000 metric tons per year (MT/yr.) or more of GHG emissions are required to submit annual reports to the EPA.

#### CAP-AND-TRADE

Cap-and-trade refers to a flexible policy tool where emissions are capped at certain limits and those limits can be traded with other emitters in such a way that increases overall compliance with GHG regulations. Successful examples in the U.S. include the Acid Rain Program and the $N_2O$ Budget Trading Program and Clean Air Interstate Rule in the northeast. There is no federal GHG cap-and-trade program currently; however, some states have joined to create initiatives to provide a mechanism for cap-and-trade.

The Regional GHG Initiative is an effort to reduce GHGs among the states of Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont. Each state caps $CO_2$ emissions from power plants, auctions $CO_2$ emission allowances, and invests the proceeds in strategic energy programs that further reduce emissions, save consumers money, create jobs, and build a clean energy economy. The Initiative began in 2008 and has retained all participating states as of 2020.

The Western Climate Initiative (WCI) partner jurisdictions have developed a comprehensive initiative to reduce regional GHG emissions to 15% below 2005 levels by 2020. The partners were originally California, British Columbia, Manitoba, Ontario, and Quebec. However, Manitoba and Ontario are not currently participating. California linked with Quebec's cap-and-trade system January 1, 2014, and joint offset auctions took place in 2015. While the WCI has yet to publish whether it has successfully reached the 2020 emissions goal initiative set in 2007, SB 32 requires that California, a major partner in the WCI, adopt the goal of reducing statewide GHG emissions to 40% below the 1990 level by 2030.

#### SMARTWAY PROGRAM

The SmartWay Program is a public-private initiative between the EPA, large and small trucking companies, rail carriers, logistics companies, commercial manufacturers, retailers, and other

federal and state agencies. Its purpose is to improve fuel efficiency and the environmental performance (reduction of both GHG emissions and air pollution) of the goods movement supply chains. SmartWay is comprised of four components (38):

1. SmartWay Transport Partnership: A partnership in which freight carriers and shippers commit to benchmark operations, track fuel consumption, and improve performance annually.
2. SmartWay Technology Program: A testing, verification, and designation program to help freight companies identify equipment, technologies, and strategies that save fuel and lower emissions.
3. SmartWay Vehicles: A program that ranks light-duty cars and small trucks and identifies superior environmental performers with the SmartWay logo.
4. SmartWay International Interests: Guidance and resources for countries seeking to develop freight sustainability programs modeled after SmartWay.

SmartWay effectively refers to requirements geared towards reducing fuel consumption. Most large trucking fleets driving newer vehicles are compliant with SmartWay design requirements. Moreover, over time, all HDTs will have to comply with the CARB GHG Regulation that is designed with the SmartWay Program in mind, to reduce GHG emissions by making them more fuel-efficient. For instance, in 2015, 53 foot or longer dry vans or refrigerated trailers equipped with a combination of SmartWay-verified low-rolling resistance tires and SmartWay-verified aerodynamic devices would obtain a total of 10% or more fuel savings over traditional trailers.

Through the SmartWay Technology Program, the EPA has evaluated the fuel saving benefits of various devices through grants, cooperative agreements, emissions and fuel economy testing, demonstration projects and technical literature review. As a result, the EPA has determined the following types of technologies provide fuel saving and/or emission reducing benefits when used properly in their designed applications, and has verified certain products:

- Idle reduction technologies – less idling of the engine when it is not needed would reduce fuel consumption.
- Aerodynamic technologies minimize drag and improve airflow over the entire tractor-trailer vehicle. Aerodynamic technologies include gap fairings that reduce turbulence between the tractor and trailer, side skirts that minimize wind under the trailer, and rear fairings that reduce turbulence and pressure drop at the rear of the trailer.
- Low rolling resistance tires can roll longer without slowing down, thereby reducing the amount of fuel used. Rolling resistance (or rolling friction or rolling drag) is the force resisting the motion when a tire rolls on a surface. The wheel will eventually slow down because of this resistance.
- Retrofit technologies include things such as diesel particulate filters, emissions upgrades (to a higher tier), etc., which would reduce emissions.
- Federal excise tax exemptions.

**EXECUTIVE ORDER 13990**

On January 20, 2021, Federal agencies were directed to immediately review, and take action to address, Federal regulations promulgated and other actions taken during the last 4 years that conflict with national objectives to improve public health and the environment; ensure access to

clean air and water; limit exposure to dangerous chemicals and pesticides; hold polluters accountable, including those who disproportionately harm communities of color and low-income communities; reduce GHG emissions; bolster resilience to the impacts of climate change; restore and expand our national treasures and monuments; and prioritize both environmental justice and employment.

### 2.7.3 California Regulatory Framework

#### 2.7.3.1 Legislative Actions to Reduce GHGs

The State of California legislature has enacted a series of bills to reduce GHG emissions. This section describes the major provisions of California's policies.

**AB 1881**

The Water Conservation in Landscaping Act of 2006 requires local agencies to adopt the updated DWR model ordinance or equivalent. AB 1881 also requires the CEC to consult with the DWR to adopt, by regulation, performance standards and labeling requirements for landscape irrigation equipment, including irrigation controllers, moisture sensors, emission devices, and valves to reduce the wasteful, uneconomic, inefficient, or unnecessary consumption of energy or water.

**SB 1368**

California SB 1368 adds Sections 8340 and 8341 to the Public Utilities Code (effective January 1, 2007) with the intent "to prevent long-term investments in power plants with GHG emissions in excess of those produced by a combined-cycle natural gas power plant" with the aim of "reducing emissions of GHGs from the state's electricity consumption, not just the state's electricity production." SB 1368 provides a mechanism for reducing the GHG emissions of electricity providers, both in-state and out-of-state, thereby assisting CARB in meeting its mandate under AB 32, the Global Warming Solutions Act of 2006.

**AB 32**

The California State Legislature enacted AB 32, which required that GHGs emitted in California be reduced to 1990 levels by the year 2020 (this goal has been met[2]). GHGs as defined under AB 32, include $CO_2$, $CH_4$, $N_2O$, HFCs, PFCs, and $SF_6$. Since AB 32 was enacted, a seventh chemical, $NF_3$, has also been added to the list of GHGs. CARB is the state agency charged with monitoring and regulating sources of GHGs. Pursuant to AB 32, CARB adopted regulations to achieve the maximum technologically feasible and cost-effective GHG emission reductions. AB 32 states the following:

> *"Global warming poses a serious threat to the economic well-being, public health, natural resources, and the environment of California. The potential adverse impacts of global warming include the exacerbation of air quality problems, a reduction in the quality and supply of water to the state from the Sierra snowpack,*

[2] Based upon the 2019 GHG inventory data (i.e., the latest year for which data are available) for the 2000-2017 GHG emissions period, California emitted an average 424.1 $MMTCO_2e$ (60). This is less than the 2020 emissions target of 431 $MMTCO_2e$.

*a rise in sea levels resulting in the displacement of thousands of coastal businesses and residences, damage to marine ecosystems and the natural environment, and an increase in the incidences of infectious diseases, asthma, and other human health-related problems."*

**SB 375**

On September 30, 2008, SB 375 was signed into law. According to SB 375, the transportation sector is the largest contributor of GHG emissions, which emits over 40% of the total GHG emissions in California. SB 375 states, "Without improved land use and transportation policy, California would not be able to achieve the goals of AB 32." SB 375 does the following: it (1) requires metropolitan planning organizations (MPOs) to include sustainable community strategies in their regional transportation plans for reducing GHG emissions; (2) aligns planning for transportation and housing; and (3) creates specified incentives for the implementation of the strategies.

SB 375 requires MPOs to prepare a Sustainable Communities Strategy (SCS) within the Regional Transportation Plan (RTP) that guides growth while taking into account the transportation, housing, environmental, and economic needs of the region. SB 375 uses CEQA streamlining as an incentive to encourage residential projects, which helps achieve AB 32 goals to reduce GHG emissions.

Concerning CEQA, SB 375, as codified in Public Resources Code Section 21159.28, states that CEQA findings for certain projects are not required to reference, describe, or discuss (1) growth inducing impacts, or (2) any project-specific or cumulative impacts from cars and light-duty truck trips generated by the project on global warming or the regional transportation network, if the project:

1. Is in an area with an approved sustainable communities strategy or an alternative planning strategy that CARB accepts as achieving the GHG emission reduction targets.
2. Is consistent with that strategy (in designation, density, building intensity, and applicable policies).
3. Incorporates the MMs required by an applicable prior environmental document.

**AB 1493 - Pavley Fuel Efficiency Standards**

The second phase of the implementation for the Pavley bill was incorporated into Amendments to the Low-Emission Vehicle Program (LEV III) or the Advanced Clean Cars (ACC) program. The ACC program combines the control of smog-causing pollutants and GHG emissions into a single coordinated package of requirements for MY 2017 through 2025. The regulation aims to reduce GHGs from new cars by 34% from 2016 levels by 2025. The new rules will clean up gasoline and diesel-powered cars, and deliver increasing numbers of zero-emission technologies, such as full battery electric cars, newly emerging plug-in hybrid EV and hydrogen fuel cell cars. The package will also ensure adequate fueling infrastructure is available for the increasing numbers of hydrogen fuel cell vehicles planned for deployment in California. On March 9, 2022, the EPA reinstated California's authority under the Clean Air Act to implement its own GHG emission standards for cars and light trucks, which other states can also adopt and enforce.

**CLEAN ENERGY AND POLLUTION REDUCTION ACT OF 2015 (SB 350)**

In October 2015, the California legislature passed SB 350, which affirms California's commitment to reducing its GHG emissions and addressing climate change. Key provisions include an increase in the RPS, higher energy efficiency requirements for buildings, initial strategies towards a regional electricity grid, and improved infrastructure for EV charging stations. Provisions for a 50% reduction in the use of petroleum statewide were removed from the Bill because of opposition and concern that it would prevent the Bill's passage. Specifically, SB 350 requires the following to reduce statewide GHG emissions:

- Increase the amount of electricity procured from renewable energy sources from 33% to 50% by 2030, with interim targets of 40% by 2024, and 45% by 2027.
- Double the energy efficiency in existing buildings by 2030. This target would be achieved through the California Public Utilities Commission (CPUC), the California Energy Commission (CEC), and local publicly owned utilities.
- Reorganize the Independent System Operator (ISO) to develop more regional electricity transmission markets and to improve accessibility in these markets, which would facilitate the growth of renewable energy markets in the western United States.

**SB 32**

On September 8, 2016, California adopted SB 32 and its companion bill, AB 197. SB 32 requires the state to reduce statewide GHG emissions to 40% below 1990 levels by 2030, a reduction target that was first introduced in Executive Order B-30-15. The new legislation builds upon the AB 32 goal and provides an intermediate goal to achieving S-3-05, which sets a statewide GHG reduction target of 80% below 1990 levels by 2050. AB 197 creates a legislative committee to oversee regulators to ensure that CARB not only responds to the Governor, but also the Legislature (11).

**2017 CARB SCOPING PLAN**

In November 2017, CARB released the *Final 2017 Scoping Plan Update* (*2017 Scoping Plan*), which identifies the State's post-2020 reduction strategy. The *2017 Scoping Plan* reflects the 2030 target of a 40% reduction below 1990 levels, set by Executive Order B-30-15 and codified by SB 32. Key programs that the proposed Second Update builds upon include the Cap-and-Trade Regulation, the LCFS, and much cleaner cars, trucks, and freight movement, utilizing cleaner, renewable energy, and strategies to reduce $CH_4$ emissions from agricultural and other wastes.

The *2017 Scoping Plan* establishes a new emissions limit of 260 $MMTCO_2e$ for the year 2030, which corresponds to a 40% decrease in 1990 levels by 2030 (39).

California's climate strategy would require contributions from all sectors of the economy, including the land base, and would include enhanced focus on zero and near-zero emission (ZE/NZE) vehicle technologies; continued investment in renewables, including solar roofs, wind, and other distributed generation; greater use of low carbon fuels; integrated land conservation and development strategies; coordinated efforts to reduce emissions of short-lived climate pollutants ($CH_4$, black carbon, and fluorinated gases); and an increased focus on integrated land use planning to support livable, transit-connected communities and conservation of agricultural and other lands. Requirements for direct GHG reductions at refineries would further support air

quality co-benefits in neighborhoods, including in disadvantaged communities historically located adjacent to these large stationary sources, as well as efforts with California's local air pollution control and air quality management districts (air districts) to tighten emission limits on a broad spectrum of industrial sources. Major elements of the *2017 Scoping Plan* framework include:

- Implementing and/or increasing the standards of the Mobile Source Strategy, which include increasing zero-emission vehicles (ZEV) buses and trucks.
- LCFS, with an increased stringency (18% by 2030).
- Implementing SB 350, which expands the RPS to 50% RPS and doubles energy efficiency savings by 2030.
- California Sustainable Freight Action Plan, which improves freight system efficiency, utilizes near-zero emissions technology, and deployment of ZEV trucks.
- Implementing the proposed Short-Lived Climate Pollutant Strategy (SLPS), which focuses on reducing $CH_4$ and HCF emissions by 40% and anthropogenic black carbon emissions by 50% by year 2030.
- Continued implementation of SB 375.
- Post-2020 Cap-and-Trade Program that includes declining caps.
- 20% reduction in GHG emissions from refineries by 2030.
- Development of a Natural and Working Lands Action Plan to secure California's land base as a net carbon sink.

Note, however, that the *2017 Scoping Plan* acknowledges that:

> *"[a]chieving net zero increases in GHG emissions, resulting in no contribution to GHG impacts, may not be feasible or appropriate for every project, however, and the inability of a project to mitigate its GHG emissions to net zero does not imply the project results in a substantial contribution to the cumulatively significant environmental impact of climate change under CEQA."*

In addition to the statewide strategies listed above, the *2017 Scoping Plan* also identifies local governments as essential partners in achieving the State's long-term GHG reduction goals and identifies local actions to reduce GHG emissions. As part of the recommended actions, CARB recommends that local governments achieve a community-wide goal to achieve emissions of no more than 6 metric tons of $CO_2e$ ($MTCO_2e$) or less per capita by 2030 and 2 $MTCO_2e$ or less per capita by 2050. For CEQA projects, CARB states that lead agencies may develop evidence-based bright-line numeric thresholds—consistent with the *2017 Scoping Plan* and the State's long-term GHG goals—and projects with emissions over that amount may be required to incorporate on-site design features and MMs that avoid or minimize project emissions to the degree feasible; or a performance-based metric using a Climate Action Plan (CAP) or other plan to reduce GHG emissions is appropriate.

According to research conducted by the Lawrence Berkeley National Laboratory (LBNL) and supported by CARB, California, under its existing and proposed GHG reduction policies, could achieve the 2030 goals under SB 32. The research utilized a new, validated model known as the

California LBNL GHG Analysis of Policies Spreadsheet (CALGAPS), which simulates GHG and criteria pollutant emissions in California from 2010 to 2050 in accordance to existing and future GHG-reducing policies. The CALGAPS model showed that by 2030, emissions could range from 211 to 428 $MTCO_2e$ per year ($MTCO_2e$/yr.), indicating that "even if all modeled policies are not implemented, reductions could be sufficient to reduce emissions 40% below the 1990 level [of SB 32]." CALGAPS analyzed emissions through 2050 even though it did not generally account for policies that might be put in place after 2030. Although the research indicated that the emissions would not meet the State's 80% reduction goal by 2050, various combinations of policies could allow California's cumulative emissions to remain very low through 2050 (40).

**2022 CARB SCOPING PLAN**

On December 15, 2022, CARB adopted the 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan) (41). The 2022 Scoping Plan builds on the 2017 Scoping Plan as well as the requirements set forth by AB 1279, which directs the state to become carbon neutral no later than 2045. To achieve this statutory objective, the 2022 Scoping Plan lays out how California can reduce GHG emissions by 85% below 1990 levels and achieve carbon neutrality by 2045. The Scoping Plan strategy to do this is to "deploy a broad portfolio of existing and emerging fossil fuel alternatives and clean technologies, and align with statutes, Executive Orders, Board direction, and direction from the governor." In the updated Scoping Plan, CARB no longer includes a numeric per capita threshold and instead advocates for compliance with a local GHG reduction strategy (CAP) consistent with *CEQA Guidelines* section 15183.5.

The key elements of the 2022 CARB Scoping Plan focus on transportation - the regulations that will impact this sector are adopted and enforced by CARB on vehicle manufacturers and outside the jurisdiction and control of local governments. As stated in the Plan's executive summary:

> "The major element of this unprecedented transformation is the aggressive reduction of fossil fuels wherever they are currently used in California, building on and accelerating carbon reduction programs that have been in place for a decade and a half. That means rapidly moving to zero-emission transportation; electrifying the cars, buses, trains, and trucks that now constitute California's single largest source of planet-warming pollution."
>
> "[A]pproval of this plan catalyzes a number of efforts, including the development of new regulations as well as amendments to strengthen regulations and programs already in place, not just at CARB but across state agencies."

Under the 2022 Scoping Plan, the State will lead efforts to meet the 2045 carbon neutrality goal through implementation of the following objectives:

- Reimagine roadway projects that increase VMT in a way that meets community needs and reduces the need to drive.
- Double local transit capacity and service frequencies by 2030.
- Complete the High-Speed Rail (HSR) System and other elements of the intercity rail network by 2040.
- Expand and complete planned networks of high-quality active transportation infrastructure.

- Increase availability and affordability of bikes, e-bikes, scooters, and other alternatives to light-duty vehicles, prioritizing needs of underserved communities.
- Shift revenue generation for transportation projects away from the gas tax into more durable sources by 2030.
- Authorize and implement roadway pricing strategies and reallocate revenues to equitably improve transit, bicycling, and other sustainable transportation choices.
- Prioritize addressing key transit bottlenecks and other infrastructure investments to improve transit operational efficiency over investments that increase VMT.
- Develop and implement a statewide transportation demand management (TDM) framework with VMT mitigation requirements for large employers and large developments.
- Prevent uncontrolled growth of autonomous vehicle (AV) VMT, particularly zero-passenger miles.
- Channel new mobility services towards pooled use models, transit complementarity, and lower VMT outcomes.
- Establish an integrated statewide system for trip planning, booking, payment, and user accounts that enables efficient and equitable multimodal systems.
- Provide financial support for low-income and disadvantaged Californians' use of transit and new mobility services.
- Expand universal design features for new mobility services.
- Accelerate infill development in existing transportation-efficient places and deploy strategic resources to create more transportation-efficient locations.
- Encourage alignment in land use, housing, transportation, and conservation planning in adopted regional plans (RTP/SCS and RHNA) and local plans (e.g., general plans, zoning, and local transportation plans).
- Accelerate production of affordable housing in forms and locations that reduce VMT and affirmatively further fair housing policy objectives.
- Reduce or eliminate parking requirements (and/or enact parking maximums, as appropriate) and promote redevelopment of excess parking, especially in infill locations.
- Preserve and protect existing affordable housing stock and protect existing residents and businesses from displacement and climate risk.

Included in the 2022 Scoping Plan is a set of Local Actions (Appendix D to the 2022 Scoping Plan) aimed at providing local jurisdictions with tools to reduce GHGs and assist the state in meeting the ambitious targets set forth in the 2022 Scoping Plan. Appendix D to the 2022 Scoping Plan includes a section on evaluating plan-level and project-level alignment with the State's Climate Goals in CEQA GHG analyses. In this section, CARB identifies several recommendations and strategies that should be considered for new development in order to determine consistency with the 2022 Scoping Plan. Notably, this section is focused on Residential and Mixed-Use Projects, in fact CARB states in Appendix D (page 4): "…focuses primarily on climate action plans (CAPs) and local authority over new residential development. It does not address other land use types (e.g., industrial) or air permitting."

Additionally on Page 21 in Appendix D, CARB states: "The recommendations outlined in this section apply only to residential and mixed-use development project types. California currently

faces both a housing crisis and a climate crisis, which necessitates prioritizing recommendations for residential projects to address the housing crisis in a manner that simultaneously supports the State's GHG and regional air quality goals. CARB plans to continue to explore new approaches for other land use types in the future." As such, it would be inappropriate to apply the requirements contained in Appendix D of the 2022 Scoping Plan to any land use types other than residential or mixed-use residential development.

**CAP-AND-TRADE PROGRAM**

The *2017 Scoping Plan* identifies a Cap-and-Trade Program as one of the key strategies for California to reduce GHG emissions. According to CARB, a cap-and-trade program would help put California on the path to meet its goal of achieving a 40% reduction in GHG emissions from 1990 levels by 2030. Under cap-and-trade, an overall limit on GHG emissions from capped sectors is established, and facilities subject to the cap would be able to trade permits to emit GHGs within the overall limit.

CARB adopted a California Cap-and-Trade Program pursuant to its authority under AB 32. The Cap-and-Trade Program is designed to reduce GHG emissions from regulated entities by more than 16% between 2013 and 2020, and by an additional 40% by 2030. The statewide cap for GHG emissions from the capped sectors (e.g., electricity generation, petroleum refining, and cement production) commenced in 2013 and would decline over time, achieving GHG emission reductions throughout the program's duration.

Covered entities that emit more than 25,000 $MTCO_2e$/yr must comply with the Cap-and-Trade Program. Triggering of the 25,000 $MTCO_2e$/yr "inclusion threshold" is measured against a subset of emissions reported and verified under the California Regulation for the Mandatory Reporting of GHG Emissions (Mandatory Reporting Rule or "MRR").

Under the Cap-and-Trade Program, CARB issues allowances equal to the total amount of allowable emissions over a given compliance period and distributes these to regulated entities. Covered entities are allocated free allowances in whole or part (if eligible), and may buy allowances at auction, purchase allowances from others, or purchase offset credits. Each covered entity with a compliance obligation is required to surrender "compliance instruments" for each $MTCO_2e$ of GHG they emit. There also are requirements to surrender compliance instruments covering 30% of the prior year's compliance obligation by November of each year (42).

The Cap-and-Trade Program provides a firm cap, which provides the highest certainty of achieving the 2030 target. An inherent feature of the Cap-and-Trade program is that it does not guarantee GHG emissions reductions in any discrete location or by any particular source. Rather, GHG emissions reductions are only guaranteed on an accumulative basis. As summarized by CARB in the *First Update to the Climate Change Scoping Plan*:

> *"The Cap-and-Trade Regulation gives companies the flexibility to trade allowances with others or take steps to cost-effectively reduce emissions at their own facilities. Companies that emit more have to turn in more allowances or other compliance instruments. Companies that can cut their GHG emissions have to turn in fewer allowances. But as the cap declines, aggregate emissions must be reduced. In other*

*words, a covered entity theoretically could increase its GHG emissions every year and still comply with the Cap-and-Trade Program if there is a reduction in GHG emissions from other covered entities. Such a focus on aggregate GHG emissions is considered appropriate because climate change is a global phenomenon, and the effects of GHG emissions are considered cumulative."* (43)

The Cap-and-Trade Program covers approximately 80% of California's GHG emissions (39). The Cap-and-Trade Program covers the GHG emissions associated with electricity consumed in California, whether generated in-state or imported. Accordingly, GHG emissions associated with CEQA projects' electricity usage are covered by the Cap-and-Trade Program. The Cap-and-Trade Program also covers fuel suppliers (natural gas and propane fuel providers and transportation fuel providers) to address emissions from such fuels and from combustion of other fossil fuels not directly covered at large sources in the Program's first compliance period. The Cap-and-Trade Program covers the GHG emissions associated with the combustion of transportation fuels in California, whether refined in-state or imported.

#### 2.7.3.2 EXECUTIVE ORDERS RELATED TO GHG EMISSIONS

California's Executive Branch has taken several actions to reduce GHGs through the use of Executive Orders. Although not regulatory, they set the tone for the state and guide the actions of state agencies.

**EXECUTIVE ORDER S-3-05**

Executive Order S-3-05 specifies the following reduction targets for GHG emissions:

- By 2010, reduce GHG emissions to 2000 levels.
- By 2020, reduce GHG emissions to 1990 levels.
- By 2050, reduce GHG emissions to 80% below 1990 levels.

The 2050 reduction goal represents what some scientists believe is necessary to reach levels that would stabilize the climate. The 2020 goal was established to be a mid-term target. Because this is an executive order, the goals are not legally enforceable for local governments or the private sector.

**EXECUTIVE ORDER S-01-07 (LCFS)**

Executive Order S-01-07 mandates that a statewide goal shall be established to reduce the carbon intensity of California's transportation fuels by at least 10% by 2020. CARB adopted the LCFS on April 23, 2009.

After a series of legal changes, in order to address the Court ruling, CARB was required to bring a new LCFS regulation to the Board for consideration in February 2015. The proposed LCFS regulation was required to contain revisions to the 2010 LCFS as well as new provisions designed to foster investments in the production of the low-carbon intensity fuels, offer additional flexibility to regulated parties, update critical technical information, simplify and streamline program operations, and enhance enforcement. On November 16, 2015, the Office of

Administrative Law (OAL) approved the Final Rulemaking Package. The new LCFS regulation became effective on January 1, 2016.

In 2018, CARB approved amendments to the regulation, which included strengthening the carbon intensity benchmarks through 2030 in compliance with the SB 32 GHG emissions reduction target for 2030. The amendments included crediting opportunities to promote zero emission vehicle adoption, alternative jet fuel, carbon capture and sequestration, and advanced technologies to achieve deep decarbonization in the transportation sector (44).

#### EXECUTIVE ORDER S-13-08

Executive Order S-13-08 states that "climate change in California during the next century is expected to shift precipitation patterns, accelerate sea level rise and increase temperatures, thereby posing a serious threat to California's economy, to the health and welfare of its population and to its natural resources." Pursuant to the requirements in the Order, the *2009 California Climate Adaptation Strategy* (*CNRA 2009*) was adopted, which is the "…first statewide, multi-sector, region-specific, and information-based climate change adaptation strategy in the United States." Objectives include analyzing risks of climate change in California, identifying, and exploring strategies to adapt to climate change, and specifying a direction for future research.

#### EXECUTIVE ORDER B-30-15

Executive Order B-30-15 establishes a California GHG reduction target of 40% below 1990 levels by 2030. The Governor's executive order aligned California's GHG reduction targets with those of leading international governments ahead of the U.N. Climate Change Conference in Paris late 2015. The Order sets a new interim statewide GHG emission reduction target to reduce GHG emissions to 40% below 1990 levels by 2030 in order to ensure California meets its target of reducing GHG emissions to 80% below 1990 levels by 2050 and directs CARB to update the *2017 Scoping Plan* to express the 2030 target in terms of $MMTCO_2e$. The Order also requires the state's climate adaptation plan to be updated every three years, and for the State to continue its climate change research program, among other provisions. As with Executive Order S-3-05, this Order is not legally enforceable to local governments and the private sector. Legislation that would update AB 32 to make post 2020 targets and requirements a mandate is in process in the State Legislature.

#### EXECUTIVE ORDER B-55-18 AND SB 100

SB 100 and Executive Order B-55-18 were passed on September 10, 2018. Under the existing RPS, 25% of retail sales of electricity are required to be from renewable sources by December 31, 2016, 33% by December 31, 2020, 40% by December 31, 2024, 45% by December 31, 2027, and 50% by December 31, 2030. SB 100 raises California's RPS requirement to 50% renewable resources target by December 31, 2026, and to achieve a 60% target by December 31, 2030. SB 100 also requires that retail sellers and local publicly owned electric utilities procure a minimum quantity of electricity products from eligible renewable energy resources so that the total kilowatt hours (kWh) of those products sold to their retail end-use customers achieve 44% of retail sales by December 31, 2024, 52% by December 31, 2027, and 60% by December 31, 2030. In addition to targets under AB 32 and SB 32, Executive Order B-55-18 establishes a carbon

neutrality goal for the state of California by 2045; and sets a goal to maintain net negative emissions thereafter. The Executive Order directs the California Natural Resources Agency (CNRA), California EPA (CalEPA), the California Department of Food and Agriculture (CDFA), and CARB to include sequestration targets in the Natural and Working Lands Climate Change Implementation Plan consistent with the carbon neutrality goal.

#### 2.7.3.3 California Regulations and Building Codes

California has a long history of adopting regulations to improve energy efficiency in new and remodeled buildings. These regulations have kept California's energy consumption relatively flat even with rapid population growth.

##### Title 20 CCR Sections 1601 et seq. – Appliance Efficiency Regulations

The Appliance Efficiency Regulations regulate the sale of appliances in California. The Appliance Efficiency Regulations include standards for both federally regulated appliances and non-federally regulated appliances. 23 categories of appliances are included in the scope of these regulations. The standards within these regulations apply to appliances that are sold or offered for sale in California, except those sold wholesale in California for final retail sale outside the state and those designed and sold exclusively for use in recreational vehicles (RV) or other mobile equipment (CEC 2012).

##### Title 24 Energy Efficiency Standards and California Green Building Standards

California Code of Regulations (CCR) Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: California Green Building Standards Code (CALGreen) is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on August 1, 2009, and is administered by the California Building Standards Commission.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2022 California Green Building Code Standards that became effective on January 1, 2023. The CEC anticipates that the 2022 energy code will provide $1.5 billion in consumer benefits and reduce GHG emissions by 10 million metric tons (45). The Project would be required to comply with the applicable standards in place at the time plan check submittals are made. These require, among other items (46):

##### Nonresidential Mandatory Measures

- Short-term bicycle parking. If the new project or an additional alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack (5.106.4.1.1).

- Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5% of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility (5.106.4.1.2).
- EV charging stations. New construction shall facilitate the future installation of EV supply equipment. The compliance requires empty raceways for future conduit and documentation that the electrical system has adequate capacity for the future load. The number of spaces to be provided for is contained in Table 5.106. 5.3.3 (5.106.5.3). Additionally, Table 5.106.5.4.1 specifies requirements for the installation of raceway conduit and panel power requirements for medium- and heavy-duty EV supply equipment for warehouses, grocery stores, and retail stores.
- Outdoor light pollution reduction. Outdoor lighting systems shall be designed to meet the backlight, uplight and glare ratings per Table 5.106.8 (5.106.8).
- Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1. 5.405.1.2, or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent (5.408.1).
- Excavated soil and land clearing debris. 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reuse or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed (5.408.3).
- Recycling by Occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage, and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive (5.410.1).
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:
    - Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (5.303.3.1)
    - Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush (5.303.3.2.1). The effective flush volume of floor- mounted or other urinals shall not exceed 0.5 gallons per flush (5.303.3.2.2).
    - Showerheads. Single showerheads shall have a minimum flow rate of not more than 1.8 gallons per minute and 80 psi (5.303.3.3.1). When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi (5.303.3.3.2).
    - Faucets and fountains. Nonresidential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi (5.303.3.4.1). Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute of 60 psi (5.303.3.4.2). Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute (5.303.3.4.3). Metering faucets shall not deliver more than 0.20 gallons per cycle (5.303.3.4.4). Metering faucets for wash fountains shall have a maximum flow rate not more than 0.20 gallons per cycle (5.303.3.4.5).

- Outdoor potable water uses in landscaped areas. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent (5.304.1).
- Water meters. Separate submeters or metering devices shall be installed for new buildings or additions in excess of 50,000 sf or for excess consumption where any tenant within a new building or within an addition that is projected to consume more than 1,000 gallons per day (GPD) (5.303.1.1 and 5.303.1.2).
- Outdoor water uses in rehabilitated landscape projects equal or greater than 2,500 sf. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 sf requiring a building or landscape permit (5.304.3).
- Commissioning. For new buildings 10,000 sf and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project.

**CARB REFRIGERANT MANAGEMENT PROGRAM**

CARB adopted a regulation in 2009 to reduce refrigerant GHG emissions from stationary sources through refrigerant leak detection and monitoring, leak repair, system retirement and retrofitting, reporting and recordkeeping, and proper refrigerant cylinder use, sale, and disposal. The regulation is set forth in sections 95380 to 95398 of Title 17, CCR. The rules implementing the regulation establish a limit on statewide GHG emissions from stationary facilities with refrigeration systems with more than 50 pounds of a high GWP refrigerant. The refrigerant management program is designed to (1) reduce emissions of high-GWP GHG refrigerants from leaky stationary, non-residential refrigeration equipment; (2) reduce emissions from the installation and servicing of refrigeration and air-conditioning appliances using high-GWP refrigerants; and (3) verify GHG emission reductions.

**SB 97 AND THE CEQA GUIDELINES UPDATE**

Passed in August 2007, SB 97 added Section 21083.05 to the Public Resources Code. The code states "(a) On or before July 1, 2009, the Office of Planning and Research (OPR) shall prepare, develop, and transmit to the Resources Agency guidelines for the mitigation of GHG emissions or the effects of GHG emissions as required by this division, including, but not limited to, effects associated with transportation or energy consumption. (b) On or before January 1, 2010, the Resources Agency shall certify and adopt guidelines prepared and developed by the OPR pursuant to subdivision (a)."

In 2012, Public Resources Code Section 21083.05 was amended to state:

> *"The Office of Planning and Research and the Natural Resources Agency shall periodically update the guidelines for the mitigation of greenhouse gas emissions or the effects of greenhouse gas emissions as required by this division, including, but not limited to, effects associated with transportation or energy consumption, to incorporate new information or criteria established by the State Air Resources*

*Board pursuant to Division 25.5 (commencing with Section 38500) of the Health and Safety Code."*

On December 28, 2018, the Natural Resources Agency announced the OAL approved the amendments to the *CEQA Guidelines* for implementing CEQA. The CEQA Amendments provide guidance to public agencies regarding the analysis and mitigation of the effects of GHG emissions in CEQA documents. The CEQA Amendments fit within the existing CEQA framework by amending existing *CEQA Guidelines* to reference climate change.

Section 15064.4 was added to the *CEQA Guidelines* and states that in determining the significance of a project's GHG emissions, the lead agency should focus its analysis on the reasonably foreseeable incremental contribution of the project's emissions to the effects of climate change. A project's incremental contribution may be cumulatively considerable even if it appears relatively insignificant compared to statewide, national, or global emissions. The agency's analysis should consider a timeframe that is appropriate for the project. The agency's analysis also must reasonably reflect evolving scientific knowledge and state regulatory schemes. Additionally, a lead agency may use a model or methodology to estimate GHG emissions resulting from a project. The lead agency has 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. The lead agency must support its selection of a model or methodology with substantial evidence. The lead agency should explain the limitations of the particular model or methodology selected for use (47).

### 2.7.4 Regional Regulatory Framework

The Project is within the SCAB, which is under the jurisdiction of the SCAQMD.

**SCAQMD**

SCAQMD is the agency responsible for air quality planning and regulation in the SCAB. The SCAQMD addresses the impacts to climate change of projects subject to SCAQMD permit as a lead agency if they are the only agency having discretionary approval for the project and acts as a responsible agency when a land use agency must also approve discretionary permits for the project. The SCAQMD acts as an expert commenting agency for impacts to air quality. This expertise carries over to GHG emissions, so the agency helps local land use agencies through the development of models and emission thresholds that can be used to address GHG emissions.

In 2008, SCAQMD formed a Working Group to identify GHG emissions thresholds for land use projects that could be used by local lead agencies in the SCAB. The Working Group developed several different options that are contained in the SCAQMD Draft Guidance Document – Interim CEQA GHG Significance Threshold, which could be applied by lead agencies. The working group has not provided additional guidance since release of the interim guidance in 2008. The SCAQMD Board has not approved the thresholds; however, the Guidance Document provides substantial evidence supporting the approaches to significance of GHG emissions that can be considered by the lead agency in adopting its own threshold. The current interim thresholds consist of the following tiered approach:

- Tier 1 consists of evaluating whether or not the project qualifies for any applicable exemption under CEQA.
- Tier 2 consists of determining whether the project is consistent with a GHG reduction plan. If a project is consistent with a qualifying local GHG reduction plan, it does not have significant GHG emissions.
- Tier 3 consists of screening values, which the lead agency can choose, but must be consistent with all projects within its jurisdiction. A project's construction emissions are averaged over 30 years and are added to the project's operational emissions. If a project's emissions are below one of the following screening thresholds, then the project is less than significant:
  - Residential and commercial land use: 3,000 $MTCO_2e$/yr.
  - Industrial land use: 10,000 $MTCO_2e$/yr.
  - Based on land use type: residential: 3,500 $MTCO_2e$/yr.; commercial: 1,400 $MTCO_2e$/yr.; or mixed use: 3,000 $MTCO_2e$/yr.
- Tier 4 has the following options:
  - Option 1: Reduce Business-as-Usual (BAU) emissions by a certain percentage; this percentage is currently undefined.
  - Option 2: Early implementation of applicable AB 32 Scoping Plan measures.
  - Option 3: 2020 target for service populations (SP), which includes residents and employees: 4.8 $MTCO_2e$ per SP per year for projects and 6.6 $MTCO_2e$ per SP per year for plans.
  - Option 3, 2035 target: 3.0 $MTCO_2e$ per SP per year for projects and 4.1 $MTCO_2e$ per SP per year for plans.
- Tier 5 involves mitigation offsets to achieve target significance threshold.

The SCAQMD's interim thresholds used the Executive Order S-3-05-year 2050 goal as the basis for the Tier 3 screening level. Achieving the Executive Order's objective would contribute to worldwide efforts to cap $CO_2$ concentrations at 450 ppm, thus stabilizing global climate.

SCAQMD only has authority over GHG emissions from development projects that include air quality permits. At this time, it is unknown if the Project would include stationary sources of emissions subject to SCAQMD permits. Notwithstanding, if the Project requires a stationary permit, it would be subject to the applicable SCAQMD regulations.

SCAQMD Regulation XXVII, adopted in 2009 includes the following rules:

- Rule 2700 defines terms and post global warming potentials.
- Rule 2701, SoCal Climate Solutions Exchange, establishes a voluntary program to encourage, quantify, and certify voluntary, high quality certified GHG emission reductions in the SCAQMD.
- Rule 2702, GHG Reduction Program created a program to produce GHG emission reductions within the SCAQMD. The SCAQMD would fund projects through contracts in response to requests for proposals or purchase reductions from other parties.

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# 3 PROJECT GHG IMPACT

## 3.1 INTRODUCTION

The Project has been evaluated to determine if it would result in a significant GHG impact. The significance of these potential impacts is described in the following sections.

## 3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related GHG impacts are taken from the Initial Study Checklist in Appendix G of the State *CEQA Guidelines* (14 CCR of Regulations §§15000, et seq.). Based on these significance criteria, a project would result in a significant impact related to GHG if it would (48):

- Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment.
- Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs.

The evaluation of an impact under CEQA requires measuring data from a project against both existing conditions and a "threshold of significance." For establishing significance thresholds, the Office of Planning and Research's amendments to the CEQA Guidelines Section 15064.7(c) state "[w]hen adopting 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."

CEQA Guidelines Section 15064.4(a) further states, ". . . A lead agency shall have discretion to determine, in the context of a particular project, whether to: (1) Use a model or methodology to quantify greenhouse gas emissions resulting from a project, and which model or methodology to use . . .; or (2) Rely on a qualitative analysis or performance-based standards."

CEQA Guidelines Section 15064.4 provides that a lead agency should consider the following factors, among others, in assessing the significance of impacts from greenhouse gas emissions:

- **Consideration #1**: The extent to which the project may increase or reduce greenhouse gas emissions as compared to the existing environmental setting.
- **Consideration #2**: Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project.
- **Consideration #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 greenhouse gas emissions. Such regulations or requirements must be adopted by the relevant public agency through a public review process and must reduce or mitigate the project's incremental contribution of greenhouse gas emissions. In determining the significance of impacts, the lead agency may consider a project's consistency with the State's long-term climate goals or strategies, provided that substantial

> evidence supports the agency's analysis of how those goals or strategies address the project's incremental contribution to climate change and its conclusion that the project's incremental contribution is not cumulatively considerable.

Section 15064.4 thus provides options for determining whether GHG emissions are significant. It does not establish a threshold of significance or require that a numeric threshold of significance be used. If lead agencies require quantification, they have the discretion to establish significance thresholds for their respective jurisdictions, and, in establishing those thresholds, a lead agency may appropriately look to thresholds developed by other public agencies, or suggested by other experts, such as the California Air Pollution Control Officers Association (CAPCOA), as long as any threshold chosen is supported by substantial evidence (see CEQA Guidelines Section 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 Section 15130(f)).

### 3.2.1 THRESHOLDS OF SIGNIFICANCE

Based on the foregoing guidance, the City of Beaumont has elected to rely on compliance with a local air district threshold in the determination of significance of Project-related GHG emissions. Specifically, the City has selected the interim 3,000 $MTCO_2e$ per year threshold recommended by SCAQMD staff for residential and commercial sector projects against which to compare Project-related GHG emissions.

The 3,000 $MTCO_2e$ per year threshold is based on a 90 percent emission "capture" rate methodology. Prior to its use by the SCAQMD, the 90 percent emissions capture approach was one of the options suggested by the California Air Pollution Control Officers Association (CAPCOA) in their *CEQA & Climate Change* white paper (2008). A 90 percent emission capture rate means that unmitigated GHG emissions from the top 90 percent of all GHG-producing projects within a geographic area – the SCAB in this instance – would be subject to a detailed analysis of potential environmental impacts from GHG emissions, while the bottom 10 percent of all GHG-producing projects would be excluded from detailed analysis. A GHG significance threshold based on a 90 percent emission capture rate is appropriate to address the long-term adverse impacts associated with global climate change because medium and large projects will be required to implement measures to reduce GHG emissions, while small projects, which are generally infill development projects that are not the focus of the State's GHG reduction targets, are allowed to proceed. Further, a 90 percent emission capture rate sets the emission threshold low enough to capture a substantial proportion of future development projects and demonstrate that cumulative emissions reductions are being achieved while setting the emission threshold high enough to exclude small projects that will, in aggregate, contribute approximate 1 percent of projected statewide GHG emissions in the Year 2050 (49).

In setting the threshold at 3,000 $MTCO_2e$ per year, SCAQMD researched a database of projects kept by the Governor's Office of Planning and Research (OPR). That database contained 798 projects, 87 of which were removed because they were very large projects and/or outliers that would skew emissions values too high, leaving 711 as the sample population to use in determining the $90^{th}$ percentile capture rate. The SCAQMD analysis of the 711 projects within

the sample population combined commercial, residential, and mixed-use projects. It should be noted that the sample of projects included warehouses and other light industrial land uses but did not include industrial processes (i.e., oil refineries, heavy manufacturing, electric generating stations, mining operations, etc.). Emissions from each of these projects were calculated by SCAQMD to provide a consistent method of emissions calculations across the sample population and from projects within the sample population. In calculating the emissions, the SCAQMD analysis determined that the 90$^{th}$ percentile ranged between 2,983 to 3,143 $MTCO_2e$ per year. The SCAQMD set their significance threshold at the low-end value of the range when rounded to the nearest hundred tons of emissions (i.e., 3,000 $MTCO_2e$ per year) to define small projects that are considered less than significant and do not need to provide further analysis.

The City understands that the 3,000 $MTCO_2e$ per year threshold for residential/commercial uses was proposed by SCAQMD a decade ago and was adopted as an interim policy; however, no permanent, superseding policy or threshold has since been adopted. The 3,000 $MTCO_2e$ per year threshold was developed and recommended by SCAQMD, an expert agency, based on substantial evidence as provided in the *Draft Guidance Document – Interim CEQA Greenhouse Gas Significance Threshold* (2008) document and subsequent Working Group meetings (latest of which occurred in 2010). SCAQMD has not withdrawn its support of the interim threshold and all documentation supporting the interim threshold remains on the SCAQMD website on a page that provides guidance to CEQA practitioners for air quality analysis (and where all SCAQMD significance thresholds for regional and local criteria pollutants and toxic air contaminants also are listed). Further, as stated by SCAQMD, this threshold "uses the Executive Order S-3-05 goal [80 percent below 1990 levels by 2050] as the basis for deriving the screening level" and, thus, remains valid for use in 2025 (49). Lastly, this threshold has been used for hundreds, if not thousands of GHG analyses performed for projects located within the SCAQMD jurisdiction.

Thus, for purposes of analysis in this analysis, if Project-related GHG emissions do not exceed the 3,000 $MTCO_2e$ per year threshold, then Project-related GHG emissions would clearly have a less-than-significant impact pursuant to Threshold GHG-1. On the other hand, if Project-related GHG emissions exceed 3,000 $MTCO_2e$ per year, the Project would be considered a substantial source of GHG emissions.

## 3.3 Models Employed To Analyze GHGs

### 3.3.1 California Emissions Estimator Model (CalEEMod)

The California Air Pollution Control Officers Association (CAPCOA) in conjunction with other California air districts, including SCAQMD, released CalEEMod 2022 in May 2022. CalEEMod periodically releases updates, as such the latest version available at the time of this report has been utilized in this analysis. The purpose of this model is to calculate construction-source and operational-source criteria pollutants and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (50). Accordingly, the latest version of CalEEMod has been used for this Project to determine GHG emissions. Output from the model runs for construction and operational activity are provided in Appendices 3.1 through 3.3. CalEEMod includes GHG emissions from the following source

categories: construction, area, energy, mobile, waste, water, refrigerants, stationary sources, on-site cargo equipment, and TRUs.

## 3.4 LIFE-CYCLE ANALYSIS NOT REQUIRED

A full life-cycle analysis (LCA) for construction and operational activity is not included in this analysis due to the lack of consensus guidance on LCA methodology at this time (51). Life-cycle analysis (i.e., assessing economy-wide GHG emissions from the processes in manufacturing and transporting all raw materials used in the Project development, infrastructure, and on-going operations) depends on emission factors or econometric factors that are not well established for all processes. At this time, an LCA would be extremely speculative and thus has not been prepared.

Additionally, the SCAQMD recommends analyzing direct and indirect project GHG emissions generated within California and not life-cycle emissions because the life-cycle effects from a project could occur outside of California, might not be very well understood, or documented, and would be challenging to mitigate (52). Additionally, the science to calculate life cycle emissions is not yet established or well defined; therefore, SCAQMD has not recommended, and is not requiring, life-cycle emissions analysis.

## 3.5 CONSTRUCTION EMISSIONS

Project construction activities would generate $CO_2$, $CH_4$, $N_2O$ and Refrigerant emissions. The *Beaumont Heights Business Centre Air Quality Impact Analysis Report* (AQIA) contains detailed information regarding Project construction activities (12). As discussed in the AQIA, construction-related emissions are expected from the following activities:

**a. Mass Grading:**

- Site Preparation
- Mass Grading

**b. Phase 1:**

- Remedial Grading
- Building Construction
- Paving
- Architectural Coating

**c. Phase 2:**

- Remedial Grading
- Building Construction
- Paving
- Architectural Coating

**d. Phase 3:**

- Remedial Grading
- Building Construction
- Paving

- Architectural Coating

**e. Phase 4:**

- Remedial Grading
- Building Construction
- Paving
- Architectural Coating

As discussed in the AQIA, off-site utility and infrastructure improvements are anticipated in order to support development of the Project. However, these activities would be short-term in nature relative to Project construction and would not utilize equipment totals that would exceed the equipment totals on Table 3-2. As such, GHG emissions resulting from off-site utility and infrastructure improvements would be minimal relative to GHG emissions resulting from Project construction activities.

### 3.5.1 CONSTRUCTION DURATION

For purposes of analysis, construction of the Project is expected to commence in June 2026 and would end in December 2032 under both options. The construction schedule utilized in the analysis, shown in Table 3-1 for Option A and Option B represent a "worst-case" analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent.[3] The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (53).

**TABLE 3-1: CONSTRUCTION DURATION – OPTION A AND OPTION B**

| Phase | Construction Activity | Start Date | End Date | Days |
|---|---|---|---|---|
| Mass Grading | Site Preparation | 6/1/2026 | 7/24/2026 | 40 |
| | Mass Grading | 7/25/2026 | 1/8/2027 | 120 |
| Phase 1 (2028 OY) | Remedial Grading | 1/9/2027 | 4/2/2027 | 60 |
| | Building Construction | 4/3/2027 | 12/31/2027 | 195 |
| | Paving | 9/20/2027 | 12/31/2027 | 75 |
| | Architectural Coating | 9/20/2027 | 12/31/2027 | 75 |
| Phase 2 (2029 OY) | Remedial Grading | 1/1/2028 | 3/24/2028 | 60 |
| | Building Construction | 3/25/2028 | 7/31/2029 | 352 |
| | Paving | 2/28/2029 | 7/31/2029 | 110 |
| | Architectural Coating | 2/28/2029 | 7/31/2029 | 110 |
| | Remedial Grading | 8/1/2029 | 10/23/2029 | 60 |

[3] As shown in the CalEEMod User's Guide Version 2022.1, Section 4.3 "Off-Road Equipment" as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

| Phase | Construction Activity | Start Date | End Date | Days |
|---|---|---|---|---|
| Phase 3 (2030 OY) | Building Construction | 10/24/2029 | 12/31/2030 | 310 |
| | Paving | 7/31/2030 | 12/31/2030 | 110 |
| | Architectural Coating | 7/31/2030 | 12/31/2030 | 110 |
| Phase 4 (2032 OY) | Remedial Grading | 1/1/2031 | 3/25/2031 | 60 |
| | Building Construction | 3/26/2031 | 12/31/2032 | 463 |
| | Paving | 7/31/2032 | 12/31/2032 | 110 |
| | Architectural Coating | 7/31/2032 | 12/31/2032 | 110 |

### 3.5.2 CONSTRUCTION EQUIPMENT

Consistent with industry standards and typical construction practices, each piece of equipment listed in Tables 3-2 for Option A and Option B would operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed.

**TABLE 3-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS – OPTION A AND OPTION B**

| Phase | Construction Activity | Equipment | Quantity | Hours Per |
|---|---|---|---|---|
| Mass Grading | Site Preparation | Crawler Tractors | 12 | 8 |
| | | Rubber Tired Dozers | 9 | 8 |
| Phase 1-4 | Mass Grading | Crawler Tractors | 6 | 8 |
| | | Excavators | 6 | 8 |
| | | Graders | 3 | 8 |
| | | Rubber Tired Dozers | 3 | 8 |
| | | Scrapers | 16 | 8 |
| | Remedial Grading | Crawler Tractors | 3 | 8 |
| | | Excavators | 3 | 8 |
| | | Graders | 2 | 8 |
| | | Rubber Tired Dozers | 2 | 8 |
| | | Scrapers | 4 | 8 |
| | Building Construction | Cranes | 2 | 8 |
| | | Forklifts | 6 | 8 |
| | | Generator Sets | 2 | 8 |
| | | Tractors/Loaders/Backhoes | 6 | 8 |
| | | Welders | 2 | 8 |
| | Paving | Pavers | 2 | 8 |
| | | Paving Equipment | 2 | 8 |
| | | Rollers | 2 | 8 |
| | Architectural Coating | Air Compressors | 1 | 8 |

[1] In order to account for fugitive dust emissions, Crawler Tractors were used in lieu of Tractors/Loaders/Backhoes.

### 3.5.3 CONSTRUCTION EMISSIONS SUMMARY

For construction phase Project emissions, GHGs are quantified and amortized over the life of the Project. To amortize the emissions over the life of the Project, the SCAQMD recommends calculating the total GHG emissions for the construction activities, dividing it by a 30-year Project life then adding that number to the annual operational phase GHG emissions (54). As such, construction emissions were amortized over a 30-year period and added to the annual operational phase GHG emissions. The amortized construction emissions are presented in Tables 3-3 for Option A and Option B, respectively.

**TABLE 3-3: AMORTIZED ANNUAL CONSTRUCTION EMISSIONS – OPTION A AND OPTION B**

| Phase | Year | Emissions (MT/yr.) | | | | |
|---|---|---|---|---|---|---|
| | | $CO_2$ | $CH_4$ | $N_2O$ | R[A] | Total $CO_2e$[B] |
| Mass Grading | 2026 | 2,421.00 | 0.10 | 0.03 | 0.14 | 2,431.11 |
| | 2027 | 105.30 | 0.00 | 0.00 | 0.01 | 105.74 |
| 1 | 2027 | 1,446.17 | 0.05 | 0.05 | 0.74 | 1,464.23 |
| 2 | 2028 | 2,040.71 | 0.05 | 0.11 | 1.43 | 2,077.67 |
| | 2029 | 1,386.15 | 0.03 | 0.08 | 1.03 | 1,412.30 |
| 3 | 2029 | 810.12 | 0.02 | 0.03 | 0.37 | 821.40 |
| | 2030 | 2,332.44 | 0.05 | 0.15 | 1.61 | 2,378.71 |
| 4 | 2031 | 2,196.55 | 0.05 | 0.13 | 1.20 | 2,237.33 |
| | 2032 | 2,493.34 | 0.05 | 0.16 | 1.41 | 2,544.64 |
| **Total Construction Emissions** | | **15,231.77** | **0.41** | **0.75** | **7.94** | **15,473.13** |
| **Amortized Construction Emissions** | | **507.73** | **0.01** | **0.02** | **0.26** | **515.77** |

Source: CalEEMod annual construction-source emissions are presented in Appendix 3.1.

[A] Refrigerants

[B] CalEEMod reports the most common GHGs emitted which include $CO_2$, $CH_4$, $N_2O$ and Refrigerants. These GHGs are then converted into $CO_2e$ by multiplying the individual GHG by the GWP.

## 3.6 OPERATIONAL EMISSIONS

Operational activities associated with the Project would result in emissions of $CO_2$, $CH_4$, $N_2O$ and Refrigerants from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- Transportation Refrigeration Units (TRU) Source Emissions
- On-Site Cargo Handling Equipment Emissions
- Stationary Source Emissions
- Water Supply, Treatment, and Distribution
- Solid Waste

- Refrigerants

### 3.6.1 Area Source Emissions

#### Landscape Maintenance Equipment

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shedders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. It should be noted that on October 9, 2021, California adopted AB 1346. The bill aims to ban the sale of new gasoline-powered equipment under 25 gross horsepower (known as small off-road engines [SOREs]) by January 1, 2024, which is now in effect. However, for purposes of analysis, the emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod, and do not incorporate the emissions reductions that would be realized from implementation of AB 1346.

### 3.6.2 Energy Source Emissions

#### Combustion Emissions Associated with Natural Gas and Electricity

GHGs are emitted from buildings as a result of activities for which electricity and natural gas are typically used as energy sources. Combustion of any type of fuel emits $CO_2$ and other GHGs directly into the atmosphere; these emissions are considered direct emissions associated with a building; the building energy use emissions do not include street lighting[4]. GHGs are also emitted during the generation of electricity from fossil fuels; these emissions are considered to be indirect emissions. Electricity usage associated with the Project were calculated by CalEEMod using default parameters. It should be noted that there is no natural gas usage associated with the proposed Project. Additionally, no changes to CalEEMod defaults for electricity use are warranted as no fuel switch to electric heating is expected and warehouse buildings are not typically heated.

### 3.6.3 Mobile Source Emissions

The Project related operational air quality emissions derive primarily from vehicle trips generated by the Project, including employee trips to and from the site and truck trips associated with the proposed uses. Trip characteristics available from the *Beaumont Heights Business Centre Traffic Analysis* were utilized in this analysis (55). CalEEMod default trip lengths for passenger vehicles were utilized and trip lengths for trucks were obtained from the Riverside County Transportation Model (RIVCOM) data available in the Beaumont Heights Business Centre *Vehicle Miles Traveled Analysis* (56).

#### Passenger Vehicles

In order to determine emissions from passenger car vehicles from the proposed industrial uses, CalEEMod defaults for trip length and trip purpose were utilized for both Options A and Option B.

[4] The CalEEMod emissions inventory model does not include indirect emission related to street lighting. Indirect emissions related to street lighting are expected to be negligible and cannot be accurately quantified at this time as there is insufficient information as to the number and type of street lighting that would occur.

For the proposed industrial uses, the *Beaumont Heights Business Centre Traffic Analysis* does not provide a specific breakdown for passenger cars. Therefore, this analysis assumes that passenger cars include Light-Duty-Auto vehicles (LDA), Light-Duty-Trucks (LDT1[5] & LDT2[6]), Medium-Duty-Vehicles (MDV), and Motorcycles (MCY) vehicle types. In order to account for emissions generated by passenger cars, the fleet mix in Table 3-4 was utilized.

**TABLE 3-4: PASSENGER CAR FLEET MIX**

| Phase | Land Use | % Vehicle Type | | | | |
|---|---|---|---|---|---|---|
| | | LDA | LDT1 | LDT2 | MDV | MCY |
| **Option A** | | | | | | |
| Phase 1 (2028) | High-Cube Fulfillment (Non-Sort) | 53.71% | 3.92% | 23.01% | 16.92% | 2.44% |
| | High-Cube Fulfillment (Sort) | | | | | |
| | General Warehousing | | | | | |
| Phase 2 (2029) | High-Cube Fulfillment (Non-Sort) | 53.59% | 3.83% | 23.36% | 16.81% | 2.41% |
| | High-Cube Fulfillment (Sort) | | | | | |
| | General Warehousing | | | | | |
| Phase 3 (2030) | High-Cube Fulfillment (Non-Sort) | 53.47% | 3.75% | 23.69% | 16.72% | 2.38% |
| | High-Cube Fulfillment (Sort) | | | | | |
| | General Warehousing | | | | | |
| Phase 4 (2032) | High-Cube Fulfillment (Non-Sort) | 53.21% | 3.61% | 24.28% | 16.58% | 2.32% |
| | High-Cube Fulfillment (Sort) | | | | | |
| | General Warehousing | | | | | |
| **Option B** | | | | | | |
| Phase 1 (2028) | High-Cube Cold Storage Warehouse | 53.71% | 3.92% | 23.01% | 16.92% | 2.44% |
| | High-Cube Fulfillment (Non-Sort) | | | | | |
| | High-Cube Fulfillment (Sort) | | | | | |
| | General Warehousing | | | | | |
| Phase 2 (2029) | High-Cube Cold Storage Warehouse | 53.59% | 3.83% | 23.36% | 16.81% | 2.41% |
| | High-Cube Fulfillment (Non-Sort) | | | | | |
| | High-Cube Fulfillment (Sort) | | | | | |
| | General Warehousing | | | | | |
| Phase 3 (2030) | High-Cube Cold Storage Warehouse | 53.47% | 3.75% | 23.69% | 16.72% | 2.38% |
| | High-Cube Fulfillment (Non-Sort) | | | | | |
| | High-Cube Fulfillment (Sort) | | | | | |
| | General Warehousing | | | | | |

[5] Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

[6] Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

| Phase | Land Use | % Vehicle Type | | | | |
|---|---|---|---|---|---|---|
| | | LDA | LDT1 | LDT2 | MDV | MCY |
| Phase 4 (2032) | High-Cube Cold Storage Warehouse | 53.21% | 3.61% | 24.28% | 16.58% | 2.32% |
| | High-Cube Fulfillment (Non-Sort) | | | | | |
| | High-Cube Fulfillment (Sort) | | | | | |
| | General Warehousing | | | | | |

Note: The Project-specific passenger car fleet mix used in this analysis is based on a proportional split utilizing the default CalEEMod percentages assigned to LDA, LDT1, LDT2, and MDV vehicle types.

### TRUCKS

To determine emissions from trucks for the proposed industrial uses, the analysis incorporated truck trip lengths available from StreetLight™, which is based on truck trip length survey data. As described in the *Beaumont Heights Business Centre Vehicle Miles Traveled Analysis* (57), the average truck trip length based on StreetLight™ data is 62.1 miles for MHDT trucks and 105.2 miles for HHDT trucks. Based on the truck fleet mix identified in the Project traffic analysis for each use, the average trip lengths are provided below in Table 3-8. This trip length assumption is higher than the CalEEMod default trip length. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1[7] & LHDT2[8])/2-axle, Medium-Heavy-Duty Trucks (MHDT)/3-axle, and Heavy-Heavy-Duty Trucks (HHDT)/4+-axle. To account for emissions generated by trucks, the fleet mix in Table 3-8 was utilized for each land use.

**TABLE 3-5: TRUCK FLEET MIX**

| Phase | Land Use | Trip Length (miles) | % Vehicle Type | | | |
|---|---|---|---|---|---|---|
| | | | LHDT1 | LHDT2 | MHDT | HHDT |
| **Option A** | | | | | | |
| Phase 1 (2028) | High-Cube Fulfillment (Non-Sort) | 94.50 | 13.03% | 3.73% | 20.67% | 62.57% |
| | High-Cube Fulfillment (Sort) | 94.43 | 13.04% | 3.73% | 20.81% | 62.42% |
| | Warehousing | 94.49 | 12.98% | 3.72% | 20.71% | 62.60% |
| Phase 2 (2029) | High-Cube Fulfillment (Non-Sort) | 94.50 | 13.03% | 3.73% | 20.67% | 62.57% |
| | High-Cube Fulfillment (Sort) | 94.43 | 13.04% | 3.74% | 20.81% | 62.42% |
| | Warehousing | 94.49 | 12.98% | 3.72% | 20.71% | 62.60% |
| Phase 3 (2030) | High-Cube Fulfillment (Non-Sort) | 94.50 | 13.03% | 3.73% | 20.67% | 62.57% |
| | High-Cube Fulfillment (Sort) | 94.43 | 13.04% | 3.74% | 20.81% | 62.42% |
| | Warehousing | 94.49 | 12.97% | 3.72% | 20.71% | 62.60% |
| Phase 4 (2032) | High-Cube Fulfillment (Non-Sort) | 94.50 | 13.04% | 3.72% | 20.67% | 62.57% |
| | High-Cube Fulfillment (Sort) | 94.43 | 13.05% | 3.73% | 20.81% | 62.42% |

[7] Vehicles under the LHDT1 category have a GVWR of 8,501 to 10,000 lbs.
[8] Vehicles under the LHDT2 category have a GVWR of 10,001 to 14,000 lbs.

| Phase | Land Use | Trip Length (miles) | % Vehicle Type | | | |
|---|---|---|---|---|---|---|
| | | | LHDT1 | LHDT2 | MHDT | HHDT |
| | Warehousing | 94.49 | 12.98% | 3.71% | 20.71% | 62.60% |
| **Option B** | | | | | | |
| Phase 1 (2028) | High-Cube Cold Storage Warehouse | 97.84 | 26.88% | 7.70% | 11.17% | 54.26% |
| | High-Cube Fulfillment (Non-Sort) | 94.50 | 13.03% | 3.73% | 20.67% | 62.57% |
| | High-Cube Fulfillment (Sort) | 94.43 | 13.04% | 3.73% | 20.81% | 62.42% |
| | Warehousing | 94.47 | 13.00% | 3.72% | 20.74% | 62.54% |
| Phase 2 (2029) | High-Cube Cold Storage Warehouse | 97.84 | 26.87% | 7.70% | 11.17% | 54.26% |
| | High-Cube Fulfillment (Non-Sort) | 94.50 | 13.03% | 3.73% | 20.67% | 62.57% |
| | High-Cube Fulfillment (Sort) | 94.43 | 13.04% | 3.74% | 20.81% | 62.42% |
| | Warehousing | 94.47 | 12.99% | 3.72% | 20.74% | 62.54% |
| Phase 3 (2030) | High-Cube Cold Storage Warehouse | 97.84 | 26.87% | 7.70% | 11.17% | 54.26% |
| | High-Cube Fulfillment (Non-Sort) | 94.50 | 13.03% | 3.73% | 20.67% | 62.57% |
| | High-Cube Fulfillment (Sort) | 94.43 | 13.04% | 3.74% | 20.81% | 62.42% |
| | Warehousing | 94.47 | 12.99% | 3.72% | 20.74% | 62.54% |
| Phase 4 (2032) | High-Cube Cold Storage Warehouse | 97.84 | 26.89% | 7.68% | 11.17% | 54.26% |
| | High-Cube Fulfillment (Non-Sort) | 94.50 | 13.04% | 3.72% | 20.67% | 62.57% |
| | High-Cube Fulfillment (Sort) | 94.43 | 13.05% | 3.73% | 20.81% | 62.42% |
| | Warehousing | 94.47 | 13.00% | 3.72% | 20.74% | 62.54% |

Note: Project-specific truck fleet mix is based on the number of trips generated by each truck type (LHDT1, LHDT2, MHDT, and HHDT) relative to the total number of truck trips.

### 3.6.4 TRU Source Emissions

In order to account for the possibility of refrigerated uses under Option B, trucks associated with the cold-storage land use are assumed to also have TRUs. Therefore, for modeling purposes 376 trucks (752 two-way truck trips per day) have the potential to include TRUs under Option B only. TRUs are accounted for during on-site and off-site travel. The TRU calculations are based on EMissions FACtor Model version 2021 (EMFAC2021), developed by the CARB. EMFAC2021 does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operation.

### 3.6.5 On-Site Cargo Handling Equipment Emissions

It is common for industrial buildings to require the operation of exterior cargo handling equipment in the building's truck court areas. For this Project, both Option A and Option B were assumed to include 3 pieces of equipment in Phase 1, 8 pieces of equipment in Phase 2, 14 pieces of equipment in Phase 3, and 20 pieces of equipment in Phase 4[9]. Each piece of equipment was modeled as a 175-horsepower natural gas-powered port tractor and assumed to operate 4 hours a day[10] for 365 days of the year.

### 3.6.6 Stationary Source Emissions

The proposed Project, for both Option A and Option B, was conservatively assumed to include installation of four, 300-horsepower diesel-powered fire pumps at Project buildout (one for each building proposed for development). Additionally, in order to account for the possibility of refrigerated uses under Option B and based on client provided information, installation of four diesel-powered emergency generators rated at 2,680-horsepower each was assumed. The fire pumps and emergency generators were each estimated to operate for up to 1 hour per day, 1 day per week for up to 50 hours per year for maintenance and testing purposes. Emissions associated with the stationary diesel-powered emergency fire pumps and emergency generators were calculated using CalEEMod.

### 3.6.7 Water Supply, Treatment, and Distribution

Indirect GHG emissions result from the production of electricity used to convey, treat, and distribute water and wastewater. The amount of electricity required to convey, treat, and distribute water depends on the volume of water as well as the sources of the water. Water usage estimates for the proposed Project are based on the *Beaumont Heights Business Centre Water Supply Assessment* Report, prepared by the Michael Baker International (58).

### 3.6.8 Solid Waste

The proposed uses would result in the generation and disposal of solid waste. A percentage of this waste would be diverted from landfills by a variety of means, such as reducing the amount of waste generated, recycling, and/or composting. The remainder of the waste not diverted would be disposed of at a landfill. GHG emissions from landfills are associated with the anaerobic breakdown of material. GHG emissions associated with the disposal of solid waste associated with the proposed Project were calculated by CalEEMod using default parameters.

### 3.6.9 Refrigerants

Air conditioning (A/C) and refrigeration equipment associated with the buildings are anticipated to generate GHG emissions. CalEEMod automatically generates a default A/C and refrigeration

[9] Based on SCAQMD's April 2021 Second Draft Report for Rule 2305, it is estimated that warehouses operate an average of 3.6 yard trucks per million square feet of warehouse space.

[10] Based in Table II-3, Port and Rail Cargo Handling Equipment Demographics by Type, from CARB's Technology Assessment: Mobile Cargo Handling Equipment document, a single piece of equipment could operate up to 2 hours per day (Total Average Annual Activity divided by Total Number Pieces of Equipment). As such, the analysis conservatively assumes that the tractor/loader/backhoe would operate up to 4 hours per day.

equipment inventory for each project land use subtype based on industry data from the USEPA (2016b). CalEEMod quantifies refrigerant emissions from leaks during regular operation and routine servicing over the equipment lifetime and then derives average annual emissions from the lifetime estimate. Note that CalEEMod does not quantify emissions from the disposal of refrigeration and A/C equipment at the end of its lifetime. Per 17 CCR 95371, new facilities with refrigeration equipment containing more than 50 pounds of refrigerant are prohibited from utilizing refrigerants with a GWP of 150 or greater as of January 1, 2022. As such, it was conservatively assumed that refrigeration systems installed at the high-cube cold storage warehouse portion of the Project would utilize refrigerants with a GWP of 150. GHG emissions associated with refrigerants were calculated by CalEEMod.

## 3.7 GHG Emissions Findings and Recommendations

### 3.7.1 GHG Impact 1

***GHG-1: Would the Project generate GHG emissions either directly or indirectly, that may have a significant impact on the environment?***

#### Emissions Summary

#### Impacts without Mitigation

The estimated Project-related GHG emissions are summarized in Tables 3-6 and 3-7 for Option A and Option B, respectively (without mitigation). Detailed operation model outputs for the Project are presented in Appendices 3.2 and 3.3 for Option A and Option B, respectively. Operational emissions generated by the proposed Project at full buildout (i.e., 2032) are used to indicate the total amount of GHG emissions for on-going operational emissions. Emissions will be generated when Phase 1 of the Project becomes operational and will increase as each Phase becomes operational. GHG Emissions associated with Phases 1-3 and Project Buildout (Phases 1-4) are summarized below for Option A and Option B:

#### Option A

- Phase 1 (2028 OY): 14,281.13 $MTCO_2e/yr$
- Phase 2 (2029 OY): 43,492.71 $MTCO_2e/yr$
- Phase 3 (2030 OY): 73,275.59 $MTCO_2e/yr$
- Project Buildout (Phases 1-4) (2032 OY): 102,164.45 $MTCO_2e/yr$

#### Option B

- Phase 1 (2028 OY): 15,808.45 $MTCO_2e/yr$
- Phase 2 (2029 OY): 48,136.88 $MTCO_2e/yr$
- Phase 3 (2030 OY): 79,456.94 $MTCO_2e/yr$
- Project Buildout (Phases 1-4) (2032 OY): 111,854.08 $MTCO_2e/yr$

**TABLE 3-6: GHG EMISSIONS – OPTION A (WITHOUT MITIGATION)**

| Emission Source | Emissions (MT/yr) | | | | |
|---|---|---|---|---|---|
| | $CO_2$ | $CH_4$ | $N_2O$ | Refrigerants | Total $CO_2e$ |
| **Phase 1** | | | | | |
| Annual construction-related emissions amortized over 30 years | 132.42 | 0.00 | 0.00 | 0.03 | 133.37 |
| Mobile Source | 12,834.19 | 0.25 | 1.38 | 14.51 | 13,267.09 |
| Area Source | 13.01 | 0.00 | 0.00 | 0.00 | 13.06 |
| Energy Source | 508.04 | 0.05 | 0.01 | 0.00 | 511.00 |
| Water Usage | 17.94 | 0.08 | 0.00 | 0.00 | 20.47 |
| Waste | 53.82 | 5.38 | 0.00 | 0.00 | 188.28 |
| Stationary Source | 5.71 | 0.00 | 0.00 | 0.00 | 5.73 |
| On-Site Equipment Source | | | | | 142.13 |
| **Total $CO_2e$ (All Sources)** | **14,281.13** | | | | |
| **Phase 1 + Phase 2** | | | | | |
| Annual construction-related emissions amortized over 30 years | 246.64 | 0.01 | 0.01 | 0.11 | 249.70 |
| Mobile Source | 39,241.99 | 0.75 | 4.23 | 40.87 | 40,560.93 |
| Area Source | 41.12 | 0.00 | 0.00 | 0.00 | 41.27 |
| Energy Source | 1,590.76 | 0.15 | 0.02 | 0.00 | 1,600.03 |
| Water Usage | 47.37 | 0.24 | 0.01 | 0.00 | 55.30 |
| Waste | 170.07 | 17.00 | 0.00 | 0.00 | 595.01 |
| Stationary Source | 11.42 | 0.00 | 0.00 | 0.00 | 11.46 |
| On-Site Equipment Source | | | | | 379.00 |
| **Total $CO_2e$ (All Sources)** | **43,492.71** | | | | |
| **Phase 1 + Phase 2 + Phase 3** | | | | | |
| Annual construction-related emissions amortized over 30 years | 351.40 | 0.01 | 0.02 | 0.18 | 356.37 |
| Mobile Source | 66,761.81 | 1.27 | 7.10 | 63.82 | 68,973.98 |
| Area Source | 71.32 | 0.00 | 0.00 | 0.00 | 71.58 |
| Energy Source | 2,077.48 | 0.26 | 0.03 | 0.00 | 2,093.55 |
| Water Usage | 53.78 | 0.43 | 0.01 | 0.00 | 67.74 |
| Waste | 294.95 | 29.48 | 0.00 | 0.00 | 1,031.93 |
| Stationary Source | 17.14 | 0.00 | 0.00 | 0.00 | 17.19 |
| On-Site Equipment Source | | | | | 663.25 |
| **Total $CO_2e$ (All Sources)** | **73,275.59** | | | | |

| Emission Source | Emissions (MT/yr) | | | | |
|---|---|---|---|---|---|
| | $CO_2$ | $CH_4$ | $N_2O$ | Refrigerants | Total $CO_2e$ |
| **Phase 1 + Phase 2 + Phase 3 + Phase 4 (Buildout)** | | | | | |
| Annual construction-related emissions amortized over 30 years | 507.73 | 0.01 | 0.02 | 0.26 | 515.77 |
| Mobile Source | 92,819.20 | 1.74 | 9.85 | 73.64 | 95,871.02 |
| Area Source | 105.11 | 0.00 | 0.00 | 0.00 | 105.49 |
| Energy Source | 3,066.43 | 0.39 | 0.05 | 0.00 | 3,090.15 |
| Water Usage | 70.11 | 0.63 | 0.02 | 0.00 | 90.70 |
| Waste | 434.71 | 43.45 | 0.00 | 0.00 | 1,520.90 |
| Stationary Source | 22.85 | 0.00 | 0.00 | 0.00 | 22.92 |
| On-Site Equipment Source | | | | | 947.50 |
| **Total $CO_2e$ (All Sources)** | **102,164.45** | | | | |

Source: CalEEMod output, See Appendix 3.2 for detailed model outputs.

**TABLE 3-7: GHG EMISSIONS – OPTION B (WITHOUT MITIGATION)**

| Emission Source | Emissions (MT/yr) | | | | |
|---|---|---|---|---|---|
| | $CO_2$ | $CH_4$ | $N_2O$ | Refrigerants | Total $CO_2e$ |
| **Phase 1** | | | | | |
| Annual construction-related emissions amortized over 30 years | 132.42 | 0.00 | 0.00 | 0.03 | 133.37 |
| Mobile Source | 13,489.67 | 0.26 | 1.45 | 15.95 | 13,944.64 |
| Area Source | 13.01 | 0.00 | 0.00 | 0.00 | 13.06 |
| Energy Source | 843.71 | 0.08 | 0.01 | 0.00 | 848.63 |
| Water Usage | 17.94 | 0.08 | 0.00 | 0.00 | 20.47 |
| Waste | 53.82 | 5.38 | 0.00 | 0.00 | 188.28 |
| Refrigerants | 0.00 | 0.00 | 0.00 | 20.89 | 20.89 |
| Stationary Source | 56.74 | 0.00 | 0.00 | 0.00 | 56.93 |
| On-Site Equipment Source | | | | | 142.13 |
| TRU Source | | | | | 440.06 |
| **Total $CO_2e$ (All Sources)** | **15,808.45** | | | | |
| **Phase 1 + Phase 2** | | | | | |
| Annual construction-related emissions amortized over 30 years | 246.64 | 0.01 | 0.01 | 0.11 | 249.70 |
| Mobile Source | 41,202.20 | 0.78 | 4.40 | 44.97 | 42,578.10 |
| Area Source | 41.12 | 0.00 | 0.00 | 0.00 | 41.27 |
| Energy Source | 2,651.56 | 0.25 | 0.03 | 0.00 | 2,667.01 |
| Water Usage | 47.37 | 0.24 | 0.01 | 0.00 | 55.30 |

| Emission Source | Emissions (MT/yr) | | | | |
|---|---|---|---|---|---|
| | $CO_2$ | $CH_4$ | $N_2O$ | Refrigerants | Total $CO_2e$ |
| Waste | 170.07 | 17.00 | 0.00 | 0.00 | 595.01 |
| Refrigerants | 0.00 | 0.00 | 0.00 | 66.02 | 66.02 |
| Stationary Source | 113.48 | 0.00 | 0.00 | 0.00 | 113.86 |
| On-Site Equipment Source | | | | | 379.00 |
| TRU Source | | | | | 1,391.61 |
| **Total $CO_2e$ (All Sources)** | **48,136.88** | | | | |
| **Phase 1 + Phase 2 + Phase 3** | | | | | |
| Annual construction-related emissions amortized over 30 years | 351.40 | 0.01 | 0.02 | 0.18 | 356.37 |
| Mobile Source | 69,733.86 | 1.31 | 7.42 | 69.96 | 72,047.10 |
| Area Source | 71.32 | 0.00 | 0.00 | 0.00 | 71.58 |
| Energy Source | 3,463.36 | 0.44 | 0.05 | 0.00 | 3,490.15 |
| Water Usage | 53.78 | 0.43 | 0.01 | 0.00 | 67.74 |
| Waste | 294.95 | 29.48 | 0.00 | 0.00 | 1,031.93 |
| Refrigerants | 0.00 | 0.00 | 0.00 | 114.50 | 114.50 |
| Stationary Source | 170.22 | 0.01 | 0.00 | 0.00 | 170.78 |
| On-Site Equipment Source | | | | | 379.00 |
| TRU Source | | | | | 1,443.54 |
| **Total $CO_2e$ (All Sources)** | **79,456.94** | | | | |
| **Phase 1 + Phase 2 + Phase 3 + Phase 4 (Buildout)** | | | | | |
| Annual construction-related emissions amortized over 30 years | 507.73 | 0.01 | 0.02 | 0.26 | 515.77 |
| Mobile Source | 97,807.59 | 1.81 | 10.31 | 81.72 | 101,006.90 |
| Area Source | 105.11 | 0.00 | 0.00 | 0.00 | 105.49 |
| Energy Source | 5,109.00 | 0.65 | 0.08 | 0.00 | 5,148.51 |
| Water Usage | 70.11 | 0.63 | 0.02 | 0.00 | 90.70 |
| Waste | 434.71 | 43.45 | 0.00 | 0.00 | 1,520.90 |
| Refrigerants | 0.00 | 0.00 | 0.00 | 168.75 | 168.75 |
| Stationary Source | 226.96 | 0.01 | 0.00 | 0.00 | 227.71 |
| On-Site Equipment Source | | | | | 947.50 |
| TRU Source | | | | | 2,121.84 |
| **Total $CO_2e$ (All Sources)** | **111,854.08** | | | | |

Source: CalEEMod output, See Appendix 3.3 for detailed model outputs.

A numerical threshold for determining the significance of GHG emissions in the SCAB has not been established by the SCAQMD for projects where it is not the lead agency. As an interim threshold based on guidance provided in the CAPCOA *CEQA and Climate Change* handbook,

the City has opted to use a non-zero threshold approach based on Approach 2 of the handbook. Threshold 2.5 (Unit-Based Thresholds Based on Market Capture) establishes a numerical threshold based on capture of approximately 90% of emissions from future development. The latest threshold developed by SCAQMD using this method is 3,000 $MTCO_2e$/yr for all projects (59).

As shown construction and operation of the Project would generate a total of approximately 102,164.45 $MTCO_2e$/yr at Project Buildout (Phases 1-4) for Option A and 111,854.08 $MTCO_2e$/yr at Project Buildout (Phases 1-4) for Option B, which would exceed the significance threshold of 3,000 $MTCO_2e$/yr; therefore, Project-related GHG emissions are considered potentially significant. The majority of the GHG emissions (94%) for Option A and (90%) for Option B are associated with non-construction related mobile sources, as shown previously on Tables 3-6 and 3-7. Emissions of motor vehicles are controlled by State and Federal standards, and the Project has no control over these emissions.

#### LEVEL OF SIGNIFICANCE BEFORE MITIGATION

*Potentially Significant.*

#### APPLICABLE GHG MITIGATION MEASURES

As mentioned previously in section ES.3, Project-specific mitigation measures (MM AQ-9 through MM AQ-30) were identified in the Beaumont Heights Business Centre Air Quality Impact Analysis Report (AQIA) (Urban Crossroads, Inc.) (12). These measures are designed to reduce Project operational-source emissions. With implementation of MM AQ-13, the analysis assumed that building 1 would include installation of a 250 kW solar photovoltaic system, and buildings 2 through 4 would each include a 500 kW solar photovoltaic system. With implementation of MM AQ-10, the analysis assumed that all operational off-road equipment would be electric-powered. Additionally, with implementation of MM AQ-30, the analysis assumed a 20 percent reduction in indoor and outdoor water usage.

#### IMPACTS WITH MITIGATION

The estimated Project-related GHG emissions are summarized in Tables 3-8 and 3-9 for Option A and Option B, respectively (with mitigation). Detailed operation model outputs for the Project are presented in Appendices 3.2 and 3.3 for Option A and Option B, respectively. Operational emissions generated by the proposed Project at full buildout (i.e., 2032) are used to indicate the total amount of GHG emissions for on-going operational emissions. Emissions will be generated when Phase 1 of the Project become operational and will increase as each Phase becomes operational. GHG Emissions associated with Phases 1-3 and Project Buildout (Phases 1-4) are summarized below for Option A and Option B:

#### OPTION A

- Phase 1 (2028 OY): 14,069.76 $MTCO_2e$/yr
- Phase 2 (2029 OY): 42,907.19 $MTCO_2e$/yr
- Phase 3 (2030 OY): 72,352.93 $MTCO_2e$/yr

- Project Buildout (Phases 1-4) (2032 OY): 100,854.61 $MTCO_2e/yr$

**OPTION B**

- Phase 1 (2028 OY): 15,597.08 $MTCO_2e/yr$
- Phase 2 (2029 OY): 47,551.36 $MTCO_2e/yr$
- Phase 3 (2030 OY): 78,534.28 $MTCO_2e/yr$
- Project Buildout (Phases 1-4) (2032 OY): 110,544.23 $MTCO_2e/yr$

**TABLE 3-8: GHG EMISSIONS – OPTION A (WITH MITIGATION)**

| Emission Source | Emissions (MT/yr) | | | | |
|---|---|---|---|---|---|
| | $CO_2$ | $CH_4$ | $N_2O$ | Refrigerants | Total $CO_2e$ |
| **Phase 1** | | | | | |
| Annual construction-related emissions amortized over 30 years | 132.42 | 0.00 | 0.00 | 0.03 | 133.37 |
| Mobile Source | 12,834.19 | 0.25 | 1.38 | 14.51 | 13,267.09 |
| Area Source | 13.01 | 0.00 | 0.00 | 0.00 | 13.06 |
| Energy Source | 443.27 | 0.04 | 0.01 | 0.00 | 445.85 |
| Water Usage | 14.35 | 0.06 | 0.00 | 0.00 | 16.37 |
| Waste | 53.82 | 5.38 | 0.00 | 0.00 | 188.28 |
| Stationary Source | 5.71 | 0.00 | 0.00 | 0.00 | 5.73 |
| **Total $CO_2e$ (All Sources)** | **14,069.76** | | | | |
| **Phase 1 + Phase 2** | | | | | |
| Annual construction-related emissions amortized over 30 years | 246.64 | 0.01 | 0.01 | 0.11 | 249.70 |
| Mobile Source | 39,241.99 | 0.75 | 4.23 | 40.87 | 40,560.93 |
| Area Source | 41.12 | 0.00 | 0.00 | 0.00 | 41.27 |
| Energy Source | 1,396.43 | 0.13 | 0.02 | 0.00 | 1,404.57 |
| Water Usage | 37.89 | 0.19 | 0.00 | 0.00 | 44.24 |
| Waste | 170.07 | 17.00 | 0.00 | 0.00 | 595.01 |
| Stationary Source | 11.42 | 0.00 | 0.00 | 0.00 | 11.46 |
| **Total $CO_2e$ (All Sources)** | **42,907.19** | | | | |
| **Phase 1 + Phase 2 + Phase 3** | | | | | |
| Annual construction-related emissions amortized over 30 years | 351.40 | 0.01 | 0.02 | 0.18 | 356.37 |
| Mobile Source | 66,761.81 | 1.27 | 7.10 | 63.82 | 68,973.98 |
| Area Source | 71.32 | 0.00 | 0.00 | 0.00 | 71.58 |
| Energy Source | 1,833.51 | 0.23 | 0.03 | 0.00 | 1,847.69 |

| Emission Source | Emissions (MT/yr) | | | | |
|---|---|---|---|---|---|
| | $CO_2$ | $CH_4$ | $N_2O$ | Refrigerants | Total $CO_2e$ |
| Water Usage | 43.02 | 0.34 | 0.01 | 0.00 | 54.19 |
| Waste | 294.95 | 29.48 | 0.00 | 0.00 | 1,031.93 |
| Stationary Source | 17.14 | 0.00 | 0.00 | 0.00 | 17.19 |
| **Total $CO_2e$ (All Sources)** | **72,352.93** | | | | |
| **Phase 1 + Phase 2 + Phase 3 + Phase 4 (Buildout)** | | | | | |
| Annual construction-related emissions amortized over 30 years | 507.73 | 0.01 | 0.02 | 0.26 | 515.77 |
| Mobile Source | 92,819.20 | 1.74 | 9.85 | 73.64 | 95,871.02 |
| Area Source | 105.11 | 0.00 | 0.00 | 0.00 | 105.49 |
| Energy Source | 2,724.86 | 0.34 | 0.04 | 0.00 | 2,745.94 |
| Water Usage | 56.09 | 0.51 | 0.01 | 0.00 | 72.56 |
| Waste | 434.71 | 43.45 | 0.00 | 0.00 | 1,520.90 |
| Stationary Source | 22.85 | 0.00 | 0.00 | 0.00 | 22.92 |
| **Total $CO_2e$ (All Sources)** | **100,854.61** | | | | |

Source: CalEEMod output, See Appendix 3.2 for detailed model outputs.

**TABLE 3-9: GHG EMISSIONS – OPTION B (WITH MITIGATION)**

| Emission Source | Emissions (MT/yr) | | | | |
|---|---|---|---|---|---|
| | $CO_2$ | $CH_4$ | $N_2O$ | Refrigerants | Total $CO_2e$ |
| **Phase 1** | | | | | |
| Annual construction-related emissions amortized over 30 years | 132.42 | 0.00 | 0.00 | 0.03 | 133.37 |
| Mobile Source | 13,489.67 | 0.26 | 1.45 | 15.95 | 13,944.64 |
| Area Source | 13.01 | 0.00 | 0.00 | 0.00 | 13.06 |
| Energy Source | 778.94 | 0.07 | 0.01 | 0.00 | 783.48 |
| Water Usage | 14.35 | 0.06 | 0.00 | 0.00 | 16.37 |
| Waste | 53.82 | 5.38 | 0.00 | 0.00 | 188.28 |
| Refrigerants | 0.00 | 0.00 | 0.00 | 20.89 | 20.89 |
| Stationary Source | 56.74 | 0.00 | 0.00 | 0.00 | 56.93 |
| TRU Source | | | | | 440.06 |
| **Total $CO_2e$ (All Sources)** | **15,597.08** | | | | |
| **Phase 1 + Phase 2** | | | | | |
| Annual construction-related emissions amortized over 30 years | 246.64 | 0.01 | 0.01 | 0.11 | 249.70 |
| Mobile Source | 41,202.20 | 0.78 | 4.40 | 44.97 | 42,578.10 |
| Area Source | 41.12 | 0.00 | 0.00 | 0.00 | 41.27 |

| Emission Source | Emissions (MT/yr) | | | | |
|---|---|---|---|---|---|
| | $CO_2$ | $CH_4$ | $N_2O$ | Refrigerants | Total $CO_2e$ |
| Energy Source | 2,457.23 | 0.23 | 0.03 | 0.00 | 2,471.55 |
| Water Usage | 37.89 | 0.19 | 0.00 | 0.00 | 44.24 |
| Waste | 170.07 | 17.00 | 0.00 | 0.00 | 595.01 |
| Refrigerants | 0.00 | 0.00 | 0.00 | 66.02 | 66.02 |
| Stationary Source | 113.48 | 0.00 | 0.00 | 0.00 | 113.86 |
| TRU Source | | | | | 1,391.61 |
| **Total $CO_2e$ (All Sources)** | **47,551.36** | | | | |
| **Phase 1 + Phase 2 + Phase 3** | | | | | |
| Annual construction-related emissions amortized over 30 years | 351.40 | 0.01 | 0.02 | 0.18 | 356.37 |
| Mobile Source | 69,733.86 | 1.31 | 7.42 | 69.96 | 72,047.10 |
| Area Source | 71.32 | 0.00 | 0.00 | 0.00 | 71.58 |
| Energy Source | 3,219.39 | 0.41 | 0.05 | 0.00 | 3,244.29 |
| Water Usage | 43.02 | 0.34 | 0.01 | 0.00 | 54.19 |
| Waste | 294.95 | 29.48 | 0.00 | 0.00 | 1,031.93 |
| Refrigerants | 0.00 | 0.00 | 0.00 | 114.50 | 114.50 |
| Stationary Source | 170.22 | 0.01 | 0.00 | 0.00 | 170.78 |
| TRU Source | | | | | 1,443.54 |
| **Total $CO_2e$ (All Sources)** | **78,534.28** | | | | |
| **Phase 1 + Phase 2 + Phase 3 + Phase 4 (Buildout)** | | | | | |
| Annual construction-related emissions amortized over 30 years | 507.73 | 0.01 | 0.02 | 0.26 | 515.77 |
| Mobile Source | 97,807.59 | 1.81 | 10.31 | 81.72 | 101,006.90 |
| Area Source | 105.11 | 0.00 | 0.00 | 0.00 | 105.49 |
| Energy Source | 4,767.43 | 0.60 | 0.07 | 0.00 | 4,804.30 |
| Water Usage | 56.09 | 0.51 | 0.01 | 0.00 | 72.56 |
| Waste | 434.71 | 43.45 | 0.00 | 0.00 | 1,520.90 |
| Refrigerants | 0.00 | 0.00 | 0.00 | 168.75 | 168.75 |
| Stationary Source | 226.96 | 0.01 | 0.00 | 0.00 | 227.71 |
| TRU Source | | | | | 2,121.84 |
| **Total $CO_2e$ (All Sources)** | **110,544.23** | | | | |

Source: CalEEMod output, See Appendix 3.3 for detailed model outputs.

### LEVEL OF SIGNIFICANCE AFTER MITIGATION

#### *Significant and Unavoidable*

At Project Buildout (Phases 1-4), under Option A the Project has the potential to generate a total of approximately 102,164.45 $MTCO_2e$/yr without mitigation and 100,854.61 $MTCO_2e$/yr with

mitigation. At Project Buildout (Phases 1-4), under Option B the Project has the potential to generate a total of approximately 111,854.08 $MTCO_2e$/yr without mitigation and 110,544.23 $MTCO_2e$/yr with mitigation. As such, the Project would exceed the SCAQMD's numeric threshold of 3,000 $MTCO_2e$/yr if it were applied. Thus, the Project would have the potential to result in a cumulatively considerable impact with respect to GHG emissions.

Because the majority (over 95% for Option A and 91% for Option B) of the Project GHG emissions would be generated by Project vehicular sources, the Project cannot feasibly achieve the SCAQMD 3,000 $MTCO_2e$ per year threshold. Because responsibility and authority for regulation of vehicular-source emissions resides with the State of California (CARB, et al.), neither the Applicant nor the Lead Agency can affect or mandate substantial reductions in vehicular-source GHG emissions, much less reductions that would achieve the SCAQMD's 3,000 $MTCO_2e$ per year threshold. In effect, all Project traffic (mobile, on-site equipment and TRU sources) and energy would need to be eliminated or be "zero GHG emissions sources" to achieve the SCAQMD's numeric threshold. There are no feasible means to or alternatives to eliminate all Project traffic or energy to ensure that Project traffic and energy would be zero GHG emissions sources. In terms of its practical application, this would constitute a "no build" condition.

On this basis, even with implementation of applicable Mitigation Measures the Project could generate direct or indirect GHG emissions that would result in a significant impact on the environment. ***This is a significant and unavoidable impact***

***The Project would have the potential to generate direct or indirect GHG emissions that would result in a significant impact on the environment.***

### 3.7.2 GHG IMPACT 2

***GHG-2: Does the Project have the potential to conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs?***

#### 2022 SCOPING PLAN CONSISTENCY

As previously stated, pursuant to 15604.4 of the *CEQA Guidelines*, a lead agency may rely on qualitative analysis or performance-based standards to determine the significance of impacts from GHG emissions (47). As such, the Project's consistency with the 2022 Scoping Plan, is discussed below. It should be noted that the Project's consistency with the 2022 Scoping Plan also satisfies consistency with AB 32 since the 2022 Scoping Plan is based on the overall targets established by AB 32 and SB 32. Consistency with the 2008 and 2017 Scoping Plan is not necessary, since both of these plans have been superseded by the 2022 Scoping Plan. As previously noted, the 2022 Scoping Plan advocates for compliance with a local CAP to determine consistency.

The Project would not impede the State's progress towards carbon neutrality by 2045 under the 2022 Scoping Plan. The Project would be required to comply with applicable current and future regulatory requirements promulgated through the 2022 Scoping Plan. Some of the current transportation sector policies the Project will comply with (through vehicle manufacturer compliance) include: Advanced Clean Cars II, Advanced Clean Trucks, Advanced Clean Fleets, Zero

Emission Forklifts, the Off-Road Zero-Emission Targeted Manufacturer Rule, Clean Off-Road Fleet Recognition Program, In-Use Off-Road Diesel-Fueled Fleets Regulation, carbon pricing through the Cap-and-Trade Program, and the Low Carbon Fuel Standard. Notwithstanding, since the Project would result in an exceedance of the aforementioned numeric GHG significance thresholds, the Project has been conservatively determined to have the potential to conflict with an applicable GHG reduction plan.

#### CITY OF BEAUMONT CLIMATE ACTION PLAN

The City approved *Sustainable Beaumont: The City's Roadmap to Greenhouse Gas Reductions* in 2015 (60), which serves as a long-term plan to achieve sustainability in the City by reducing GHG emissions from existing and future development. A consistency with the applicable goals of this plan is summarized on Table 3-10, as follows:

**TABLE 3-10: CONSISTENCY WITH SUSTAINABLE BEAUMONT GOALS**

| Sustainable Beaumont Goal | Consistency |
|---|---|
| Goal 1: Increase energy efficiency in existing residential units. | Not Applicable, the Project does not include existing residential land uses therefore this goal does not apply. |
| Goal 2: Increase energy efficiency in new residential development. | Not Applicable, the Project does not propose new residential land uses therefore this goal does not apply. |
| Goal 3: Increase energy efficiency in existing commercial units. | Not Applicable, the Project does not include any existing commercial development, therefore this goal does not apply. |
| Goal 4: Increase energy efficiency in new commercial development. | No Conflict, the Project would comply with applicable provisions of the California Building Energy Efficiency Standards and applicable mitigation measures that would improve energy efficiency. |
| Goal 5: Increase energy efficiency through water efficiency. | No Conflict, as required by MM AQ-30, the Project will incorporate low flow water fixtures and implement water reducing features. |
| Goal 6: Decrease energy demand through reducing urban heat island effect. | No Conflict, the Project will incorporate light-colored building materials that would reduce heat reflection in accordance with the Section 140.3(a) of the California Building Code. |

| Sustainable Beaumont Goal | Consistency |
|---|---|
| Goal 7: Decrease GHG emissions through reducing vehicle miles traveled. | No Conflict, the Project will incorporate a TDM program as required by MM AQ-15. |
| Goal 8: Decrease GHG emissions through reducing solid waste generation. | No Conflict, the Project will comply with AB 939 which requires diversion of a minimum of 50 percent of solid waste from landfills. |
| Goal 9: Decrease GHG emissions through increasing clean energy use. | No Conflict, MM AQ-13, the Project will incorporate solar photovoltaic solar panels. |
| Goal 10: Decrease GHG emissions from new development through performance standards. | No Conflict, the Project would include light-colored buildings, drought-tolerant plant materials. |

**LEVEL OF SIGNIFICANCE**

**Less than significant.** The Project would not conflict with applicable plans, policies, or regulations adopted for the purpose of reducing the emissions of GHG emissions and generation of GHG emissions. As such, impacts were determined to be less than significant.

***The Project would have the potential to conflict with an applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of GHGs***.

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# 4 REFERENCES


1. **State of California.** *2020 CEQA California Environmental Quality Act.* 2020.
2. **Air Resources Board.** Assembly Bill 32: Global Warming Solutions Act. [Online] 2006. https://ww2.arb.ca.gov/resources/fact-sheets/ab-32-global-warming-solutions-act-2006.
3. —. Sustainable Communities. [Online] 2008. https://ww2.arb.ca.gov/our-work/programs/sustainable-communities-climate-protection-program/about.
4. —. Clean Car Standards - Pavley, Assembly Bill 1493. [Online] September 24, 2009. http://www.arb.ca.gov/cc/ccms/ccms.htm.
5. **Building Standards Commission.** California Building Standards Code (Title 24, California Code of Regulations). [Online] http://www.bsc.ca.gov/codes.aspx.
6. **California Energy Commission.** California Code of Regulations, TITLE 20, Division 2. [Online] September 3, 2013. https://www.energy.ca.gov/sites/default/files/2021-07/Title%2020%20Updated%20July%2023%2C%202021.pdf.
7. **Air Resources Board.** Title 17 - California Code of Regulation. [Online] 2010. https://ww2.arb.ca.gov/sites/default/files/2020-09/basics-notes.pdf.
8. **Department of Water Resources.** Updated Model Water Efficient Landscape Ordinance AB 1881. [Online] 2006. [Cited: November 13, 2013.] https://water.ca.gov/Programs/Water-Use-And-Efficiency/Urban-Water-Use-Efficiency/Model-Water-Efficient-Landscape-Ordinance.
9. **California Energy Commission.** SB 1368 Emission Performance Standards. [Online] September 29, 2006. http://www.energy.ca.gov/emission_standards/.
10. —. Renewables Portfolio Standard (RPS). [Online] 2002. http://www.energy.ca.gov/portfolio/.
11. **California Legislative Information.** Senate Bill No. 32. [Online] September 8, 2016. https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201520160SB32.
12. **Urban Crossroads, Inc.** *Beaumont Heights Business Centre Air Quality Impact Analysis Report.* 2025.
13. —. *Beaumont Heights Business Centre Traffic Analysis.* 2025.
14. **National Environmental Education Foundation.** The Principal Greenhouse Gases and Their Sources. *National Environmental Education Foundation.* [Online] https://www.neefusa.org/weather-and-climate/climate-change/principal-greenhouse-gases-and-their-sources#WaterVapor.
15. *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report.* **International Panel on Climate Change.** 4, 2007.
16. *The Carbon Cycle and Climate Change.* **Bennington, Bret J.** 1, s.l. : Brooks/Cole. ISBN 1 3: 978-0-495-73855-8.
17. **The National Institute for Occupational Safety and Health.** Carbon Dioxide. *Centers for Disease Control and Prevention.* [Online] https://www.cdc.gov/niosh/npg/npgd0103.html.
18. **National Oceanic and Atmospheric Administration.** Increase in atmospheric methane set another record during 2021. *National Oceanic and Atmospheric Administration.* [Online] https://www.noaa.gov/news-release/increase-in-atmospheric-methane-set-another-record-during-2021#:~:text=NOAA's%20preliminary%20analysis%20showed%20the,during%202020%20was%2015.3%20ppb..
19. **World Resources Institute.** Climate Analysis Indicator Tool (CAIT). [Online] http://cait.wri.org.

20. **National Oceanic and Atmospheric Administration.** CFCs and their substitutes in stratospheric ozone depletion. *National Oceanic and Atmospheric Administration.* [Online] https://gml.noaa.gov/hats/about/cfc.html.

21. **United States Environmental Protection Agency.** Regulation for Reducting Sulfur Hexafluoride Emissions from Gas Insulated Switchgear. *Environmental Protection Agency.* [Online] May 7, 2014. https://www.epa.gov/sites/production/files/2016-02/documents/mehl-arb-presentation-2014-wkshp.pdf.

22. **World Resources Institute.** Nitrogen Trifluoride Now Required in GHG Protocol Greenhouse Gas Emissions Inventory. [Online] May 22, 2013. https://www.wri.org/blog/2013/05/nitrogen-trifluoride-now-required-ghg-protocol-greenhouse-gas-emissions-inventories.

23. **National Center for Biotechnology Information.** Nitrogen Trifluoride. *PubChem Compound Database.* [Online] https://pubchem.ncbi.nlm.nih.gov/compound/24553 .

24. **American Lung Association.** Climate Change. [Online] http://www.lung.org/our-initiatives/healthy-air/outdoor/climate-change/.

25. **Barbara H. Allen-Diaz.** Climate change affects us all. *University of California Agriculture and Natural Resources.* [Online] April 1, 2009. http://calag.ucanr.edu/Archive/?article=ca.v063n02p51.

26. **Intergovernmental Panel on Climate Change.** Climate Change 2013 The Physical Science Basis - Working Group I Contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. *AR5 Climate Change 2013: The Physical Science Basis.* [Online] September 2013. https://www.ipcc.ch/site/assets/uploads/2018/02/WG1AR5_all_final.pdf.

27. **United Nations.** Annex 1. [Online] 2023. https://di.unfccc.int/time_series.

28. —. GHG Profiles - Non-Annex I. [Online] 2023. http://di.unfccc.int/ghg_profile_non_annex1.

29. **California Air Resources Board.** 2023 GHG Inventory. *California Greenhouse Gas Emission Inventory 2000-2021 Edition.* [Online] https://ww2.arb.ca.gov/ghg-inventory-data.

30. **Energy Information Administration .** [Online] https://www.eia.gov/state/data.php?sid=US.

31. **California Energy Commission.** *Our Changing Climate Assessing the Risks to California.* 2006.

32. **Center for Climate and Energy Solutions (C2ES).** Outcomes of the U.N. Climate Change Conference. *Center for Climate and Energy Solutions (C2ES).* [Online] 2015. http://www.c2es.org/international/negotiations/cop21-paris/summary.

33. **Agency, United States Environmental Protection.** Endangerment and Cause or Contribute Findings for Greenhouse Gases under the Section 202(a) of the Clean Air Act. *United States Environmental Protection Agency.* [Online] 2020. https://www.epa.gov/climate-change/endangerment-and-cause-or-contribute-findings-greenhouse-gases-under-section-202a.

34. **Federal Register.** Mid-Term Evaluation of Greenhouse Gas Emissions Standards for Model Year 2022-2025 Light-Duty Vehicles. [Online] 2018. https://www.federalregister.gov/documents/2018/04/13/2018-07364/mid-term-evaluation-of-greenhouse-gas-emissions-standards-for-model-year-2022-2025-light-duty.

35. **Administration, National Highway Traffic Safety.** SAFE: The Safer Affordable Fuel-Efficient 'SAFE' Vehicle Rule. *National Highway Traffic Safety Administration.* [Online] 2020. https://www.nhtsa.gov/corporate-average-fuel-economy/safe.

36. **National Highway Traffic Safety Administration.** Corporate Average Fuel Economy. [Online] https://www.nhtsa.gov/laws-regulations/corporate-average-fuel-economy.

37. **Department of Transportation.** Corporate Average Fuel Economy Standards for Model Years 2024-2026 Passenger Cars and Light Trucks. [Online] https://www.nhtsa.gov/sites/nhtsa.gov/files/2022-04/Final-Rule-Preamble_CAFE-MY-2024-2026.pdf.

38. **United States Environmental Protection Agency.** SmartWay. [Online] 2017. https://www.epa.gov/smartway/learn-about-smartway.

39. **California Air Resources Board.** 2022 Scoping Plan for Achieving Carbon Neutrality. [Online] 2022. https://ww2.arb.ca.gov/sites/default/files/2022-12/2022-sp.pdf.

40. **Lawrence Berkeley National Laboratory.** California's Policies Can Significantly Cut Greenhouse Gas Emissions through 2030. *Lawrence Berkeley National Laboratory.* [Online] January 22, 2015. http://newscenter.lbl.gov/2015/01/22/californias-policies-can-significantly-cut-greenhouse-gas-emissions-2030/.

41. **California Air Resources Board.** *2022 Scoping Plan for Achieving Carbon Neutrality.*

42. —. Legal Disclaimer & User's Notice. [Online] April 2019. https://ww2.arb.ca.gov/sites/default/files/2021-02/ct_reg_unofficial.pdf.

43. —. Climate Change Scoping Plan. [Online] 2014. https://ww2.arb.ca.gov/sites/default/files/classic/cc/scopingplan/2013_update/first_update_climate_change_scoping_plan.pdf.

44. —. Low Carbon Fuel Standard. [Online] December 2019. https://ww3.arb.ca.gov/fuels/lcfs/lcfs.htm.

45. **California Energy Commission.** Energy Commission Adopts Updated Building Standards to Improve Efficiency, Reduce Emissions from Homes and Businesses. [Online] August 11, 2021. https://www.energy.ca.gov/news/2021-08/energy-commission-adopts-updated-building-standards-improve-efficiency-reduce-0.

46. **California Department of General Services.** 2022 CALGreen Code. *CALGreen.* [Online] https://codes.iccsafe.org/content/CAGBC2022P1.

47. **Association of Environmental Professionals.** *2018 CEQA California Environmental Quality Act.* 2018.

48. **Environmental Protection Agency.** National Ambient Air Quality Standards (NAAQS). [Online] 1990. https://www.epa.gov/environmental-topics/air-topics.

49. **South Coast Air Quality Management District.** *Interim CEQA GHG Significnace Threshold for Stationary Sources, Rules and Plans.* Diamond Bar : s.n., 2008.

50. **California Air Pollution Control Officers Association (CAPCOA).** California Emissions Estimator Model (CalEEMod). [Online] www.caleemod.com.

51. **California Natural Resources Agency.** Final Statement of Reasons for Regulatory Action, Amendments to the State CEQA Guidelines Addressing Analysis and Mitigation of Greenhouse Gas Emissions Pursuant to SB97. [Online] December 2009. https://resources.ca.gov/CNRALegacyFiles/ceqa/docs/Final_Statement_of_Reasons.pdf.

52. **South Coast Air Quality Managment District.** Minutes for the GHG CEQA Significance. [Online] 2008. http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-2/ghg-meeting-2-minutes.pdf.

53. **State of California.** *2023 CEQA California Environmental Quality Act.* 2023.

54. **South Coast Air Quality Management District.** *Greenhouse Gas CEQA Significance Threshold Stakeholder Working Group #13.* [Powerpoint] Diamond Bar : s.n., 2009.

55. **Urban Crossroads, Inc.** *Beaumont Heights Business Centre Traffic Analysis.* 2025.

56. —. *Beaumont Heights Business Centre Vehicle Miles Traveled Analysis.* 2025.

57. —. *Beaumont Heights Business Center Center Vehicle Miles Traveled Analysis.* 2025.

58. **Michael Baker International.** *Beaumont Heights Business Centre Water Supply Assessment Report.* 2024.

59. **South Coast Air Quality Management District.** BOARD MEETING DATE: December 5, 2008 Agenda No. 31. *South Coast Air Quality Management District.* [Online] December 5, 2008. http://www.aqmd.gov/hb/2008/December/081231a.htm .

60. **City of Beaumont.** *Sustainable Beaumont: The City's Roadmap to Greenhouse Gas Reductions.* Beaumont : s.n., 2015.

61. **Air Resources Board.** 2020 GHG Inventory. *California Greenhouse Gas Emission Inventory 2000-2019 Edition.* [Online] https://ww3.arb.ca.gov/cc/inventory/pubs/reports/2000_2019/ghg_inventory_trends_00-19.pdf.

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# 5 CERTIFICATIONS

The contents of this GHG study report represent an accurate depiction of the GHG impacts associated with the proposed Beaumont Heights Business Centre Project. The information contained in this GHG report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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### EDUCATION

Master of Science in Environmental Studies
California State University, Fullerton • May 2010

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June 2006

### PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Professionals
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

### PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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# APPENDIX 3.1:

# CALEEMOD PROJECT CONSTRUCTION EMISSIONS MODEL OUTPUTS

# 15718 Beaumont Heights Construction Mass Grading Mitigated Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

3.3. Mass Grading (2026) - Unmitigated

3.5. Mass Grading (2027) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Construction Mass Grading Mitigated |
| Construction Start Date | 6/1/2025 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 19.2 |
| Location | 33.910963943172064, -116.97694984715945 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 5,183 | 1000sqft | 119 | 5,182,891 | 0.00 | — | — | — |
| Parking Lot | 6,025 | Space | 54.2 | 0.00 | 0.00 | — | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 155 | Acre | 155 | 0.00 | 0.00 | — | — | — |

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

No measures selected

# 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. | 4.63 | 4.57 | 67.5 | 208 | 0.36 | 0.83 | 17.7 | 18.0 | 0.82 | 8.22 | 8.53 | — | 40,739 | 40,739 | 1.65 | 0.43 | 5.29 | 40,914 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 4.61 | 4.55 | 67.6 | 206 | 0.36 | 0.83 | 12.0 | 12.8 | 0.82 | 3.54 | 4.36 | — | 40,645 | 40,645 | 1.61 | 0.43 | 0.14 | 40,814 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.67 | 1.65 | 24.4 | 74.9 | 0.13 | 0.29 | 5.69 | 5.99 | 0.29 | 2.01 | 2.30 | — | 14,623 | 14,623 | 0.58 | 0.15 | 0.83 | 14,684 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.30 | 0.30 | 4.45 | 13.7 | 0.02 | 0.05 | 1.04 | 1.09 | 0.05 | 0.37 | 0.42 | — | 2,421 | 2,421 | 0.10 | 0.03 | 0.14 | 2,431 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 4.63 | 4.57 | 67.5 | 208 | 0.36 | 0.83 | 17.7 | 18.0 | 0.82 | 8.22 | 8.53 | — | 40,739 | 40,739 | 1.65 | 0.43 | 5.29 | 40,914 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 4.61 | 4.55 | 67.6 | 206 | 0.36 | 0.83 | 12.0 | 12.8 | 0.82 | 3.54 | 4.36 | — | 40,645 | 40,645 | 1.61 | 0.43 | 0.14 | 40,814 |
| 2027 | 4.59 | 4.54 | 67.5 | 206 | 0.36 | 0.83 | 12.0 | 12.8 | 0.82 | 3.54 | 4.36 | — | 40,611 | 40,611 | 1.61 | 0.43 | 0.12 | 40,779 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 1.67 | 1.65 | 24.4 | 74.9 | 0.13 | 0.29 | 5.69 | 5.99 | 0.29 | 2.01 | 2.30 | — | 14,623 | 14,623 | 0.58 | 0.15 | 0.83 | 14,684 |
| 2027 | 0.07 | 0.07 | 1.06 | 3.23 | 0.01 | 0.01 | 0.19 | 0.20 | 0.01 | 0.06 | 0.07 | — | 636 | 636 | 0.03 | 0.01 | 0.03 | 639 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 0.30 | 0.30 | 4.45 | 13.7 | 0.02 | 0.05 | 1.04 | 1.09 | 0.05 | 0.37 | 0.42 | — | 2,421 | 2,421 | 0.10 | 0.03 | 0.14 | 2,431 |
| 2027 | 0.01 | 0.01 | 0.19 | 0.59 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 105 | 105 | < 0.005 | < 0.005 | 0.01 | 106 |

# 3. Construction Emissions Details

## 3.1. Site Preparation (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 | 1.81 | 1.81 | 28.9 | 89.9 | 0.15 | 0.31 | — | 0.31 | 0.31 | — | 0.31 | — | 16,595 | 16,595 | 0.67 | 0.13 | — | 16,652 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 17.0 | 17.0 | — | 8.06 | 8.06 | — | — | — | — | — | — | — |
| 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 | 0.20 | 0.20 | 3.17 | 9.85 | 0.02 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 1,819 | 1,819 | 0.07 | 0.01 | — | 1,825 |
| Dust From Material Movement | — | — | — | — | — | — | 1.86 | 1.86 | — | 0.88 | 0.88 | — | — | — | — | — | — | — |
| 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 | 0.58 | 1.80 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 301 | 301 | 0.01 | < 0.005 | — | 302 |
| Dust From Material Movement | — | — | — | — | — | — | 0.34 | 0.34 | — | 0.16 | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.25 | 0.22 | 0.21 | 3.77 | 0.00 | 0.00 | 0.69 | 0.69 | 0.00 | 0.16 | 0.16 | — | 724 | 724 | 0.03 | 0.02 | 2.45 | 735 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.03 | 0.02 | 0.03 | 0.33 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 73.9 | 73.9 | < 0.005 | < 0.005 | 0.12 | 74.9 |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.01 | 0.06 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | 0.02 | 12.4 |
| 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 |

## 3.3. Mass Grading (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 | 4.20 | 4.20 | 66.7 | 202 | 0.36 | 0.82 | — | 0.82 | 0.82 | — | 0.82 | — | 39,085 | 39,085 | 1.59 | 0.32 | — | 39,219 |
| Dust From Material Movement | — | — | — | — | — | — | 10.8 | 10.8 | — | 3.24 | 3.24 | — | — | — | — | — | — | — |
| 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 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 4.20 | 4.20 | 66.7 | 202 | 0.36 | 0.82 | — | 0.82 | 0.82 | — | 0.82 | — | 39,085 | 39,085 | 1.59 | 0.32 | — | 39,219 |
| Dust From Material Movement | — | — | — | — | — | — | 10.8 | 10.8 | — | 3.24 | 3.24 | — | — | — | — | — | — | — |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.32 | 1.32 | 20.9 | 63.1 | 0.11 | 0.26 | — | 0.26 | 0.26 | — | 0.26 | — | 12,238 | 12,238 | 0.50 | 0.10 | — | 12,280 |
| Dust From Material Movement | — | — | — | — | — | — | 3.37 | 3.37 | — | 1.01 | 1.01 | — | — | — | — | — | — | — |
| 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 | 0.24 | 0.24 | 3.81 | 11.5 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,026 | 2,026 | 0.08 | 0.02 | — | 2,033 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.18 | 0.18 | — | — | — | — | — | — | — |
| 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 | 0.40 | 0.36 | 0.33 | 6.10 | 0.00 | 0.00 | 1.11 | 1.11 | 0.00 | 0.26 | 0.26 | — | 1,172 | 1,172 | 0.05 | 0.04 | 3.97 | 1,189 |
| Vendor | 0.02 | 0.01 | 0.51 | 0.16 | < 0.005 | 0.01 | 0.14 | 0.14 | 0.01 | 0.04 | 0.05 | — | 482 | 482 | 0.01 | 0.07 | 1.32 | 505 |
| 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 | 0.38 | 0.34 | 0.37 | 4.63 | 0.00 | 0.00 | 1.11 | 1.11 | 0.00 | 0.26 | 0.26 | — | 1,078 | 1,078 | 0.02 | 0.04 | 0.10 | 1,091 |
| Vendor | 0.02 | 0.01 | 0.54 | 0.16 | < 0.005 | 0.01 | 0.14 | 0.14 | 0.01 | 0.04 | 0.05 | — | 482 | 482 | 0.01 | 0.07 | 0.03 | 504 |
| 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 | 0.12 | 0.11 | 0.13 | 1.52 | 0.00 | 0.00 | 0.34 | 0.34 | 0.00 | 0.08 | 0.08 | — | 342 | 342 | 0.01 | 0.01 | 0.54 | 346 |
| Vendor | 0.01 | < 0.005 | 0.17 | 0.05 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 151 | 151 | < 0.005 | 0.02 | 0.18 | 158 |
| 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 | 0.02 | 0.02 | 0.02 | 0.28 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 56.6 | 56.6 | < 0.005 | < 0.005 | 0.09 | 57.3 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 25.0 | 25.0 | < 0.005 | < 0.005 | 0.03 | 26.2 |
| 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 |

## 3.5. Mass Grading (2027) - 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 | 4.20 | 4.20 | 66.7 | 202 | 0.36 | 0.82 | — | 0.82 | 0.82 | — | 0.82 | — | 39,080 | 39,080 | 1.59 | 0.32 | — | 39,214 |
| Dust From Material Movement | — | — | — | — | — | — | 10.8 | 10.8 | — | 3.24 | 3.24 | — | — | — | — | — | — | — |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.07 | 1.04 | 3.16 | 0.01 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 612 | 612 | 0.02 | < 0.005 | — | 614 |
| Dust From Material Movement | — | — | — | — | — | — | 0.17 | 0.17 | — | 0.05 | 0.05 | — | — | — | — | — | — | — |
| 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 | 0.19 | 0.58 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 101 | 101 | < 0.005 | < 0.005 | — | 102 |
| Dust From Material Movement | — | — | — | — | — | — | 0.03 | 0.03 | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.36 | 0.32 | 0.33 | 4.27 | 0.00 | 0.00 | 1.11 | 1.11 | 0.00 | 0.26 | 0.26 | — | 1,058 | 1,058 | 0.01 | 0.04 | 0.09 | 1,071 |
| Vendor | 0.02 | 0.01 | 0.52 | 0.16 | < 0.005 | 0.01 | 0.14 | 0.14 | 0.01 | 0.04 | 0.05 | — | 473 | 473 | 0.01 | 0.07 | 0.03 | 495 |
| 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 | 0.01 | 0.01 | 0.01 | 0.07 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 16.8 | 16.8 | < 0.005 | < 0.005 | 0.02 | 17.0 |
| Vendor | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.40 | 7.40 | < 0.005 | < 0.005 | 0.01 | 7.75 |
| 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 | — | 2.78 | 2.78 | < 0.005 | < 0.005 | < 0.005 | 2.81 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.23 | 1.23 | < 0.005 | < 0.005 | < 0.005 | 1.28 |
| 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

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
|---|---|---|---|---|---|---|
| Site Preparation | Site Preparation | 6/1/2026 | 7/24/2026 | 5.00 | 40.0 | — |
| Mass Grading | Grading | 7/25/2026 | 1/8/2027 | 5.00 | 120 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | Diesel | Tier 4 Final | 4.00 | 8.00 | 367 | 0.40 |
| Site Preparation | Crawler Tractors | Diesel | Tier 4 Final | 6.00 | 8.00 | 87.0 | 0.43 |
| Site Preparation | Rubber Tired Dozers | Diesel | Tier 4 Interim | 5.00 | 8.00 | 367 | 0.40 |
| Site Preparation | Crawler Tractors | Diesel | Tier 4 Interim | 6.00 | 8.00 | 87.0 | 0.43 |
| Mass Grading | Graders | Diesel | Tier 4 Final | 1.00 | 8.00 | 148 | 0.41 |
| Mass Grading | Excavators | Diesel | Tier 4 Final | 3.00 | 8.00 | 36.0 | 0.38 |
| Mass Grading | Scrapers | Diesel | Tier 4 Final | 8.00 | 8.00 | 423 | 0.48 |
| Mass Grading | Rubber Tired Dozers | Diesel | Tier 4 Final | 1.00 | 8.00 | 367 | 0.40 |
| Mass Grading | Crawler Tractors | Diesel | Tier 4 Final | 3.00 | 8.00 | 87.0 | 0.43 |
| Mass Grading | Graders | Diesel | Tier 4 Interim | 2.00 | 8.00 | 148 | 0.41 |
| Mass Grading | Excavators | Diesel | Tier 4 Interim | 3.00 | 8.00 | 36.0 | 0.38 |
| Mass Grading | Scrapers | Diesel | Tier 4 Interim | 8.00 | 8.00 | 423 | 0.48 |
| Mass Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 367 | 0.40 |
| Mass Grading | Crawler Tractors | Diesel | Tier 4 Interim | 3.00 | 8.00 | 87.0 | 0.43 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Mass Grading | — | — | — | — |
| Mass Grading | Worker | 85.0 | 18.5 | LDA,LDT1,LDT2 |
| Mass Grading | Vendor | 16.0 | 10.2 | HHDT,MHDT |
| Mass Grading | Hauling | 0.00 | 20.0 | HHDT |
| Mass Grading | Onsite truck | — | — | HHDT |
| Site Preparation | — | — | — | — |
| Site Preparation | Worker | 52.5 | 18.5 | LDA,LDT1,LDT2 |
| Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |
| Site Preparation | Hauling | 0.00 | 20.0 | HHDT |
| Site Preparation | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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) |
|---|---|---|---|---|---|

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Site Preparation | — | — | 420 | 0.00 | — |
| Mass Grading | — | — | 2,640 | 0.00 | — |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

## 5.7. Construction Paving

| Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0% |
| Parking Lot | 54.2 | 100% |
| Other Asphalt Surfaces | 155 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2026 | 0.00 | 532 | 0.03 | < 0.005 |
| 2027 | 0.00 | 532 | 0.03 | < 0.005 |

## 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. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| 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) |
|---|---|---|---|

# 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |

| | | | | |
|---|---|---|---|---|
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |

| | |
|---|---|
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |

| | |
|---|---|
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 |
|---|---|
| Construction: Construction Phases | Construction schedule based on data provided by the applicant. |
| Construction: Off-Road Equipment | Crawler tractors assumed during site preparation and grading in lieu of tractors/loaders/backhoes in order to account for fugitive dust. All equipment assumed to operate 8 hours per day. |
| Construction: Trips and VMT | Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Remedial Grading and Building Construction. |
| Construction: Architectural Coatings | Rule 1113 limits |
| Land Use | Based on provided site plan. |

# 15718 Beaumont Heights Construction Mass Grading Unmitigated Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

3.3. Mass Grading (2026) - Unmitigated

3.5. Mass Grading (2027) - Unmitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Construction Mass Grading Unmitigated |
| Construction Start Date | 6/1/2025 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 19.2 |
| Location | 33.910963943172064, -116.97694984715945 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 5,183 | 1000sqft | 119 | 5,182,891 | 0.00 | — | — | — |
| Parking Lot | 6,025 | Space | 54.2 | 0.00 | 0.00 | — | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 155 | Acre | 155 | 0.00 | 0.00 | — | — | — |

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

No measures selected

# 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. | 20.9 | 17.6 | 153 | 147 | 0.36 | 6.59 | 17.7 | 23.0 | 6.06 | 8.22 | 13.1 | — | 40,739 | 40,739 | 1.65 | 0.43 | 5.29 | 40,914 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 20.9 | 17.5 | 153 | 146 | 0.36 | 6.59 | 12.0 | 18.6 | 6.06 | 3.54 | 9.59 | — | 40,645 | 40,645 | 1.61 | 0.43 | 0.14 | 40,814 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 8.05 | 6.77 | 59.4 | 56.3 | 0.13 | 2.64 | 5.69 | 8.33 | 2.43 | 2.01 | 4.44 | — | 14,623 | 14,623 | 0.58 | 0.15 | 0.83 | 14,684 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.47 | 1.24 | 10.8 | 10.3 | 0.02 | 0.48 | 1.04 | 1.52 | 0.44 | 0.37 | 0.81 | — | 2,421 | 2,421 | 0.10 | 0.03 | 0.14 | 2,431 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 20.9 | 17.6 | 153 | 147 | 0.36 | 6.59 | 17.7 | 23.0 | 6.06 | 8.22 | 13.1 | — | 40,739 | 40,739 | 1.65 | 0.43 | 5.29 | 40,914 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 20.9 | 17.5 | 153 | 146 | 0.36 | 6.59 | 12.0 | 18.6 | 6.06 | 3.54 | 9.59 | — | 40,645 | 40,645 | 1.61 | 0.43 | 0.14 | 40,814 |
| 2027 | 20.1 | 16.9 | 142 | 144 | 0.36 | 6.08 | 12.0 | 18.1 | 5.59 | 3.54 | 9.13 | — | 40,611 | 40,611 | 1.61 | 0.43 | 0.12 | 40,779 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 8.05 | 6.77 | 59.4 | 56.3 | 0.13 | 2.64 | 5.69 | 8.33 | 2.43 | 2.01 | 4.44 | — | 14,623 | 14,623 | 0.58 | 0.15 | 0.83 | 14,684 |
| 2027 | 0.31 | 0.26 | 2.23 | 2.26 | 0.01 | 0.10 | 0.19 | 0.28 | 0.09 | 0.06 | 0.14 | — | 636 | 636 | 0.03 | 0.01 | 0.03 | 639 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2026 | 1.47 | 1.24 | 10.8 | 10.3 | 0.02 | 0.48 | 1.04 | 1.52 | 0.44 | 0.37 | 0.81 | — | 2,421 | 2,421 | 0.10 | 0.03 | 0.14 | 2,431 |
| 2027 | 0.06 | 0.05 | 0.41 | 0.41 | < 0.005 | 0.02 | 0.03 | 0.05 | 0.02 | 0.01 | 0.03 | — | 105 | 105 | < 0.005 | < 0.005 | 0.01 | 106 |

# 3. Construction Emissions Details

## 3.1. Site Preparation (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 | 13.7 | 11.5 | 104 | 93.0 | 0.15 | 5.30 | — | 5.30 | 4.87 | — | 4.87 | — | 16,595 | 16,595 | 0.67 | 0.13 | — | 16,652 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 17.0 | 17.0 | — | 8.06 | 8.06 | — | — | — | — | — | — | — |
| 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 | 1.50 | 1.26 | 11.4 | 10.2 | 0.02 | 0.58 | — | 0.58 | 0.53 | — | 0.53 | — | 1,819 | 1,819 | 0.07 | 0.01 | — | 1,825 |
| Dust From Material Movement | — | — | — | — | — | — | 1.86 | 1.86 | — | 0.88 | 0.88 | — | — | — | — | — | — | — |
| 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 | 0.27 | 0.23 | 2.08 | 1.86 | < 0.005 | 0.11 | — | 0.11 | 0.10 | — | 0.10 | — | 301 | 301 | 0.01 | < 0.005 | — | 302 |
| Dust From Material Movement | — | — | — | — | — | — | 0.34 | 0.34 | — | 0.16 | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.25 | 0.22 | 0.21 | 3.77 | 0.00 | 0.00 | 0.69 | 0.69 | 0.00 | 0.16 | 0.16 | — | 724 | 724 | 0.03 | 0.02 | 2.45 | 735 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.03 | 0.02 | 0.03 | 0.33 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 73.9 | 73.9 | < 0.005 | < 0.005 | 0.12 | 74.9 |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.01 | 0.06 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12.2 | 12.2 | < 0.005 | < 0.005 | 0.02 | 12.4 |
| 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 |

## 3.3. Mass Grading (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 | 20.5 | 17.2 | 152 | 141 | 0.36 | 6.58 | — | 6.58 | 6.05 | — | 6.05 | — | 39,085 | 39,085 | 1.59 | 0.32 | — | 39,219 |
| Dust From Material Movement | — | — | — | — | — | — | 10.8 | 10.8 | — | 3.24 | 3.24 | — | — | — | — | — | — | — |
| 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 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 20.5 | 17.2 | 152 | 141 | 0.36 | 6.58 | — | 6.58 | 6.05 | — | 6.05 | — | 39,085 | 39,085 | 1.59 | 0.32 | — | 39,219 |
| Dust From Material Movement | — | — | — | — | — | — | 10.8 | 10.8 | — | 3.24 | 3.24 | — | — | — | — | — | — | — |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 6.40 | 5.38 | 47.7 | 44.2 | 0.11 | 2.06 | — | 2.06 | 1.90 | — | 1.90 | — | 12,238 | 12,238 | 0.50 | 0.10 | — | 12,280 |
| Dust From Material Movement | — | — | — | — | — | — | 3.37 | 3.37 | — | 1.01 | 1.01 | — | — | — | — | — | — | — |
| 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 | 1.17 | 0.98 | 8.70 | 8.06 | 0.02 | 0.38 | — | 0.38 | 0.35 | — | 0.35 | — | 2,026 | 2,026 | 0.08 | 0.02 | — | 2,033 |
| Dust From Material Movement | — | — | — | — | — | — | 0.62 | 0.62 | — | 0.18 | 0.18 | — | — | — | — | — | — | — |
| 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 | 0.40 | 0.36 | 0.33 | 6.10 | 0.00 | 0.00 | 1.11 | 1.11 | 0.00 | 0.26 | 0.26 | — | 1,172 | 1,172 | 0.05 | 0.04 | 3.97 | 1,189 |
| Vendor | 0.02 | 0.01 | 0.51 | 0.16 | < 0.005 | 0.01 | 0.14 | 0.14 | 0.01 | 0.04 | 0.05 | — | 482 | 482 | 0.01 | 0.07 | 1.32 | 505 |
| 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 | 0.38 | 0.34 | 0.37 | 4.63 | 0.00 | 0.00 | 1.11 | 1.11 | 0.00 | 0.26 | 0.26 | — | 1,078 | 1,078 | 0.02 | 0.04 | 0.10 | 1,091 |
| Vendor | 0.02 | 0.01 | 0.54 | 0.16 | < 0.005 | 0.01 | 0.14 | 0.14 | 0.01 | 0.04 | 0.05 | — | 482 | 482 | 0.01 | 0.07 | 0.03 | 504 |
| 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 | 0.12 | 0.11 | 0.13 | 1.52 | 0.00 | 0.00 | 0.34 | 0.34 | 0.00 | 0.08 | 0.08 | — | 342 | 342 | 0.01 | 0.01 | 0.54 | 346 |
| Vendor | 0.01 | < 0.005 | 0.17 | 0.05 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 151 | 151 | < 0.005 | 0.02 | 0.18 | 158 |
| 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 | 0.02 | 0.02 | 0.02 | 0.28 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 56.6 | 56.6 | < 0.005 | < 0.005 | 0.09 | 57.3 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 25.0 | 25.0 | < 0.005 | < 0.005 | 0.03 | 26.2 |
| 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 |

## 3.5. Mass Grading (2027) - 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 | 19.7 | 16.6 | 142 | 139 | 0.36 | 6.07 | — | 6.07 | 5.58 | — | 5.58 | — | 39,080 | 39,080 | 1.59 | 0.32 | — | 39,214 |
| Dust From Material Movement | — | — | — | — | — | — | 10.8 | 10.8 | — | 3.24 | 3.24 | — | — | — | — | — | — | — |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.31 | 0.26 | 2.22 | 2.18 | 0.01 | 0.10 | — | 0.10 | 0.09 | — | 0.09 | — | 612 | 612 | 0.02 | < 0.005 | — | 614 |
| Dust From Material Movement | — | — | — | — | — | — | 0.17 | 0.17 | — | 0.05 | 0.05 | — | — | — | — | — | — | — |
| 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 | 0.40 | 0.40 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 101 | 101 | < 0.005 | < 0.005 | — | 102 |
| Dust From Material Movement | — | — | — | — | — | — | 0.03 | 0.03 | — | 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.36 | 0.32 | 0.33 | 4.27 | 0.00 | 0.00 | 1.11 | 1.11 | 0.00 | 0.26 | 0.26 | — | 1,058 | 1,058 | 0.01 | 0.04 | 0.09 | 1,071 |
| Vendor | 0.02 | 0.01 | 0.52 | 0.16 | < 0.005 | 0.01 | 0.14 | 0.14 | 0.01 | 0.04 | 0.05 | — | 473 | 473 | 0.01 | 0.07 | 0.03 | 495 |
| 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 | 0.01 | 0.01 | 0.01 | 0.07 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 16.8 | 16.8 | < 0.005 | < 0.005 | 0.02 | 17.0 |
| Vendor | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 7.40 | 7.40 | < 0.005 | < 0.005 | 0.01 | 7.75 |
| 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 | — | 2.78 | 2.78 | < 0.005 | < 0.005 | < 0.005 | 2.81 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 1.23 | 1.23 | < 0.005 | < 0.005 | < 0.005 | 1.28 |
| 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

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
|---|---|---|---|---|---|---|
| Site Preparation | Site Preparation | 6/1/2026 | 7/24/2026 | 5.00 | 40.0 | — |
| Mass Grading | Grading | 7/25/2026 | 1/8/2027 | 5.00 | 120 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Site Preparation | Rubber Tired Dozers | Diesel | Average | 9.00 | 8.00 | 367 | 0.40 |
| Site Preparation | Crawler Tractors | Diesel | Average | 12.0 | 8.00 | 87.0 | 0.43 |
| Mass Grading | Graders | Diesel | Average | 3.00 | 8.00 | 148 | 0.41 |
| Mass Grading | Excavators | Diesel | Average | 6.00 | 8.00 | 36.0 | 0.38 |
| Mass Grading | Scrapers | Diesel | Average | 16.0 | 8.00 | 423 | 0.48 |
| Mass Grading | Rubber Tired Dozers | Diesel | Average | 3.00 | 8.00 | 367 | 0.40 |
| Mass Grading | Crawler Tractors | Diesel | Average | 6.00 | 8.00 | 87.0 | 0.43 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Mass Grading | — | — | — | — |
| Mass Grading | Worker | 85.0 | 18.5 | LDA,LDT1,LDT2 |
| Mass Grading | Vendor | 16.0 | 10.2 | HHDT,MHDT |
| Mass Grading | Hauling | 0.00 | 20.0 | HHDT |
| Mass Grading | Onsite truck | — | — | HHDT |
| Site Preparation | — | — | — | — |

| | | | | |
|---|---|---|---|---|
| Site Preparation | Worker | 52.5 | 18.5 | LDA,LDT1,LDT2 |
| Site Preparation | Vendor | — | 10.2 | HHDT,MHDT |
| Site Preparation | Hauling | 0.00 | 20.0 | HHDT |
| Site Preparation | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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) |
|---|---|---|---|---|---|

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Site Preparation | — | — | 420 | 0.00 | — |
| Mass Grading | — | — | 2,640 | 0.00 | — |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

## 5.7. Construction Paving

| Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0% |

| | | |
|---|---|---|
| Parking Lot | 54.2 | 100% |
| Other Asphalt Surfaces | 155 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2026 | 0.00 | 532 | 0.03 | < 0.005 |
| 2027 | 0.00 | 532 | 0.03 | < 0.005 |

## 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. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| 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) |
|---|---|---|---|

# 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |

| | |
|---|---|
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |

| | |
|---|---|
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |

| | |
|---|---|
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |

| | |
|---|---|
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 |
|---|---|

| | |
|---|---|
| Construction: Construction Phases | Construction schedule based on data provided by the applicant. |
| Construction: Off-Road Equipment | Crawler tractors assumed during site preparation and grading in lieu of tractors/loaders/backhoes in order to account for fugitive dust. All equipment assumed to operate 8 hours per day. |
| Construction: Trips and VMT | Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Remedial Grading and Building Construction. |
| Construction: Architectural Coatings | Rule 1113 limits |
| Land Use | Based on provided site plan. |

# 15718 Beaumont Heights Construction Ph1 Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Remedial Grading (2027) - Unmitigated

3.2. Remedial Grading (2027) - Mitigated

3.3. Building Construction (2027) - Unmitigated

3.4. Building Construction (2027) - Mitigated

3.5. Paving (2027) - Unmitigated

3.6. Paving (2027) - Mitigated

3.7. Architectural Coating (2027) - Unmitigated

3.8. Architectural Coating (2027) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Construction Ph1 |
| Construction Start Date | 6/2/2026 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.5 |
| Precipitation (days) | 19 |
| Location | 33.910963943172064, -116.97694984715945 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.35 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 642 | 1000sqft | 15 | 641,622 | 0.00 | — | — | — |
| Parking Lot | 822 | Space | 7.4 | 0.00 | 0.00 | — | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 30 | Acre | 30 | 0.00 | 0.00 | — | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Construction | C-5 | Use Advanced Engine Tiers |

# 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. | 52 | 51 | 54 | 63 | 0.13 | 2.4 | 5.9 | 8.3 | 2.2 | 2.1 | 4.3 | — | 14,153 | 14,153 | 0.55 | 0.57 | 20 | 14,239 |
| Mit. | 50 | 49 | 38 | 71 | 0.13 | 0.41 | 5.9 | 6.2 | 0.39 | 2.1 | 2.4 | — | 14,153 | 14,153 | 0.55 | 0.57 | 20 | 14,239 |
| % Reduced | 5% | 4% | 29% | -14% | — | 83% | — | 25% | 82% | — | 43% | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 52 | 51 | 54 | 57 | 0.13 | 2.4 | 5.9 | 8.3 | 2.2 | 2.1 | 4.3 | — | 14,115 | 14,115 | 0.55 | 0.57 | 0.53 | 14,198 |
| Mit. | 50 | 49 | 38 | 71 | 0.13 | 0.41 | 5.9 | 6.2 | 0.39 | 2.1 | 2.4 | — | 14,115 | 14,115 | 0.55 | 0.57 | 0.53 | 14,198 |
| % Reduced | 5% | 4% | 29% | -24% | — | 83% | — | 25% | 82% | — | 43% | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 13 | 13 | 23 | 35 | 0.06 | 0.87 | 3.4 | 4.2 | 0.80 | 0.92 | 1.7 | — | 8,735 | 8,735 | 0.28 | 0.33 | 4.5 | 8,844 |
| Mit. | 11 | 11 | 21 | 40 | 0.06 | 0.23 | 3.4 | 3.6 | 0.22 | 0.92 | 1.1 | — | 8,735 | 8,735 | 0.28 | 0.33 | 4.5 | 8,844 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % Reduced | 15% | 13% | 10% | -14% | — | 73% | — | 15% | 72% | — | 33% | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.4 | 2.3 | 4.3 | 6.4 | 0.01 | 0.16 | 0.61 | 0.77 | 0.15 | 0.17 | 0.31 | — | 1,446 | 1,446 | 0.05 | 0.05 | 0.74 | 1,464 |
| Mit. | 2.0 | 2.0 | 3.9 | 7.3 | 0.01 | 0.04 | 0.61 | 0.66 | 0.04 | 0.17 | 0.21 | — | 1,446 | 1,446 | 0.05 | 0.05 | 0.74 | 1,464 |
| % Reduced | 15% | 13% | 10% | -14% | — | 73% | — | 15% | 72% | — | 33% | — | — | — | — | — | — | — |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 52 | 51 | 54 | 63 | 0.13 | 2.4 | 5.9 | 8.3 | 2.2 | 2.1 | 4.3 | — | 14,153 | 14,153 | 0.55 | 0.57 | 20 | 14,239 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 52 | 51 | 54 | 57 | 0.13 | 2.4 | 5.9 | 8.3 | 2.2 | 2.1 | 4.3 | — | 14,115 | 14,115 | 0.55 | 0.57 | 0.53 | 14,198 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 13 | 13 | 23 | 35 | 0.06 | 0.87 | 3.4 | 4.2 | 0.80 | 0.92 | 1.7 | — | 8,735 | 8,735 | 0.28 | 0.33 | 4.5 | 8,844 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 2.4 | 2.3 | 4.3 | 6.4 | 0.01 | 0.16 | 0.61 | 0.77 | 0.15 | 0.17 | 0.31 | — | 1,446 | 1,446 | 0.05 | 0.05 | 0.74 | 1,464 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 50 | 49 | 38 | 71 | 0.13 | 0.41 | 5.9 | 6.2 | 0.39 | 2.1 | 2.4 | — | 14,153 | 14,153 | 0.55 | 0.57 | 20 | 14,239 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 50 | 49 | 38 | 71 | 0.13 | 0.41 | 5.9 | 6.2 | 0.39 | 2.1 | 2.4 | — | 14,115 | 14,115 | 0.55 | 0.57 | 0.53 | 14,198 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 11 | 11 | 21 | 40 | 0.06 | 0.23 | 3.4 | 3.6 | 0.22 | 0.92 | 1.1 | — | 8,735 | 8,735 | 0.28 | 0.33 | 4.5 | 8,844 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 2.0 | 2.0 | 3.9 | 7.3 | 0.01 | 0.04 | 0.61 | 0.66 | 0.04 | 0.17 | 0.21 | — | 1,446 | 1,446 | 0.05 | 0.05 | 0.74 | 1,464 |

# 3. Construction Emissions Details

## 3.1. Remedial Grading (2027) - 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 | 7.3 | 6.1 | 53 | 53 | 0.12 | 2.4 | — | 2.4 | 2.2 | — | 2.2 | — | 12,940 | 12,940 | 0.52 | 0.10 | — | 12,985 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 7.3 | 6.1 | 53 | 53 | 0.12 | 2.4 | — | 2.4 | 2.2 | — | 2.2 | — | 12,940 | 12,940 | 0.52 | 0.10 | — | 12,985 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 1.2 | 1.0 | 8.7 | 8.7 | 0.02 | 0.39 | — | 0.39 | 0.36 | — | 0.36 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.22 | 0.18 | 1.6 | 1.6 | < 0.005 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.16 | 0.14 | 0.12 | 2.3 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 474 | 474 | 0.01 | 0.02 | 1.5 | 480 |
| Vendor | 0.03 | 0.02 | 0.77 | 0.24 | 0.01 | 0.01 | 0.21 | 0.23 | 0.01 | 0.06 | 0.07 | — | 739 | 739 | 0.02 | 0.11 | 1.9 | 774 |
| 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 | 0.15 | 0.13 | 0.14 | 1.8 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 436 | 436 | 0.01 | 0.02 | 0.04 | 441 |
| Vendor | 0.03 | 0.01 | 0.81 | 0.25 | 0.01 | 0.01 | 0.21 | 0.23 | 0.01 | 0.06 | 0.07 | — | 739 | 739 | 0.02 | 0.11 | 0.05 | 773 |
| 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 | 0.02 | 0.02 | 0.02 | 0.30 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 73 | 73 | < 0.005 | < 0.005 | 0.10 | 73 |
| Vendor | 0.01 | < 0.005 | 0.13 | 0.04 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 121 | 121 | < 0.005 | 0.02 | 0.13 | 127 |
| 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 | 0.06 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12 | 12 | < 0.005 | < 0.005 | 0.02 | 12 |
| Vendor | < 0.005 | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 20 | 20 | < 0.005 | < 0.005 | 0.02 | 21 |
| 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 |

## 3.2. Remedial Grading (2027) - 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 Equipm | 1.6 | 1.6 | 37 | 69 | 0.12 | 0.33 | — | 0.33 | 0.32 | — | 0.32 | — | 12,940 | 12,940 | 0.52 | 0.10 | — | 12,985 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 1.6 | 1.6 | 37 | 69 | 0.12 | 0.33 | — | 0.33 | 0.32 | — | 0.32 | — | 12,940 | 12,940 | 0.52 | 0.10 | — | 12,985 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 0.26 | 0.26 | 6.1 | 11 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.05 | 1.1 | 2.1 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.16 | 0.14 | 0.12 | 2.3 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 474 | 474 | 0.01 | 0.02 | 1.5 | 480 |
| Vendor | 0.03 | 0.02 | 0.77 | 0.24 | 0.01 | 0.01 | 0.21 | 0.23 | 0.01 | 0.06 | 0.07 | — | 739 | 739 | 0.02 | 0.11 | 1.9 | 774 |
| 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 | 0.15 | 0.13 | 0.14 | 1.8 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 436 | 436 | 0.01 | 0.02 | 0.04 | 441 |
| Vendor | 0.03 | 0.01 | 0.81 | 0.25 | 0.01 | 0.01 | 0.21 | 0.23 | 0.01 | 0.06 | 0.07 | — | 739 | 739 | 0.02 | 0.11 | 0.05 | 773 |
| 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 | 0.02 | 0.02 | 0.02 | 0.30 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 73 | 73 | < 0.005 | < 0.005 | 0.10 | 73 |
| Vendor | 0.01 | < 0.005 | 0.13 | 0.04 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 121 | 121 | < 0.005 | 0.02 | 0.13 | 127 |
| 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 | 0.06 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12 | 12 | < 0.005 | < 0.005 | 0.02 | 12 |
| Vendor | < 0.005 | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 20 | 20 | < 0.005 | < 0.005 | 0.02 | 21 |
| 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 |

## 3.3. Building Construction (2027) - 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 | 2.7 | 2.2 | 20 | 28 | 0.05 | 0.73 | — | 0.73 | 0.67 | — | 0.67 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 2.7 | 2.2 | 20 | 28 | 0.05 | 0.73 | — | 0.73 | 0.67 | — | 0.67 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 1.4 | 1.2 | 11 | 15 | 0.03 | 0.39 | — | 0.39 | 0.36 | — | 0.36 | — | 2,810 | 2,810 | 0.11 | 0.02 | — | 2,819 |
| 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 | 0.26 | 0.22 | 2.0 | 2.7 | < 0.005 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 465 | 465 | 0.02 | < 0.005 | — | 467 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 1.2 | 1.1 | 0.94 | 18 | 0.00 | 0.00 | 3.5 | 3.5 | 0.00 | 0.83 | 0.83 | — | 3,648 | 3,648 | 0.04 | 0.13 | 11 | 3,698 |
| Vendor | 0.11 | 0.05 | 2.5 | 0.78 | 0.02 | 0.04 | 0.68 | 0.72 | 0.04 | 0.19 | 0.23 | — | 2,364 | 2,364 | 0.06 | 0.35 | 6.0 | 2,477 |
| 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 | 1.2 | 1.0 | 1.1 | 14 | 0.00 | 0.00 | 3.5 | 3.5 | 0.00 | 0.83 | 0.83 | — | 3,355 | 3,355 | 0.05 | 0.13 | 0.29 | 3,394 |
| Vendor | 0.11 | 0.05 | 2.6 | 0.80 | 0.02 | 0.04 | 0.68 | 0.72 | 0.04 | 0.19 | 0.23 | — | 2,366 | 2,366 | 0.05 | 0.35 | 0.16 | 2,473 |
| 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 | 0.62 | 0.55 | 0.62 | 7.6 | 0.00 | 0.00 | 1.9 | 1.9 | 0.00 | 0.44 | 0.44 | — | 1,815 | 1,815 | 0.03 | 0.07 | 2.6 | 1,839 |
| Vendor | 0.06 | 0.03 | 1.4 | 0.42 | 0.01 | 0.02 | 0.36 | 0.38 | 0.02 | 0.10 | 0.12 | — | 1,263 | 1,263 | 0.03 | 0.19 | 1.4 | 1,322 |
| 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 | 0.11 | 0.10 | 0.11 | 1.4 | 0.00 | 0.00 | 0.34 | 0.34 | 0.00 | 0.08 | 0.08 | — | 300 | 300 | < 0.005 | 0.01 | 0.43 | 304 |
| Vendor | 0.01 | < 0.005 | 0.25 | 0.08 | < 0.005 | < 0.005 | 0.07 | 0.07 | < 0.005 | 0.02 | 0.02 | — | 209 | 209 | < 0.005 | 0.03 | 0.23 | 219 |
| 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 |

## 3.4. Building Construction (2027) - 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.50 | 0.48 | 11 | 17 | 0.03 | 0.13 | — | 0.13 | 0.12 | — | 0.12 | — | 2,810 | 2,810 | 0.11 | 0.02 | — | 2,819 |
| 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 | 0.09 | 2.0 | 3.2 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 465 | 465 | 0.02 | < 0.005 | — | 467 |
| 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Worker | 1.2 | 1.1 | 0.94 | 18 | 0.00 | 0.00 | 3.5 | 3.5 | 0.00 | 0.83 | 0.83 | — | 3,648 | 3,648 | 0.04 | 0.13 | 11 | 3,698 |
| Vendor | 0.11 | 0.05 | 2.5 | 0.78 | 0.02 | 0.04 | 0.68 | 0.72 | 0.04 | 0.19 | 0.23 | — | 2,364 | 2,364 | 0.06 | 0.35 | 6.0 | 2,477 |
| 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 | 1.2 | 1.0 | 1.1 | 14 | 0.00 | 0.00 | 3.5 | 3.5 | 0.00 | 0.83 | 0.83 | — | 3,355 | 3,355 | 0.05 | 0.13 | 0.29 | 3,394 |
| Vendor | 0.11 | 0.05 | 2.6 | 0.80 | 0.02 | 0.04 | 0.68 | 0.72 | 0.04 | 0.19 | 0.23 | — | 2,366 | 2,366 | 0.05 | 0.35 | 0.16 | 2,473 |
| 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 | 0.62 | 0.55 | 0.62 | 7.6 | 0.00 | 0.00 | 1.9 | 1.9 | 0.00 | 0.44 | 0.44 | — | 1,815 | 1,815 | 0.03 | 0.07 | 2.6 | 1,839 |
| Vendor | 0.06 | 0.03 | 1.4 | 0.42 | 0.01 | 0.02 | 0.36 | 0.38 | 0.02 | 0.10 | 0.12 | — | 1,263 | 1,263 | 0.03 | 0.19 | 1.4 | 1,322 |
| 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 | 0.11 | 0.10 | 0.11 | 1.4 | 0.00 | 0.00 | 0.34 | 0.34 | 0.00 | 0.08 | 0.08 | — | 300 | 300 | < 0.005 | 0.01 | 0.43 | 304 |
| Vendor | 0.01 | < 0.005 | 0.25 | 0.08 | < 0.005 | < 0.005 | 0.07 | 0.07 | < 0.005 | 0.02 | 0.02 | — | 209 | 209 | < 0.005 | 0.03 | 0.23 | 219 |
| 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 |

## 3.5. Paving (2027) - 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 | 6.9 | 10.0 | 0.01 | 0.30 | — | 0.30 | 0.27 | — | 0.27 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.3 | 1.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.88 | 0.74 | 6.9 | 10.0 | 0.01 | 0.30 | — | 0.30 | 0.27 | — | 0.27 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.3 | 1.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.18 | 0.15 | 1.4 | 2.0 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 311 | 311 | 0.01 | < 0.005 | — | 312 |
| Paving | 0.27 | 0.27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.03 | 0.26 | 0.37 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 51 | 51 | < 0.005 | < 0.005 | — | 52 |
| Paving | 0.05 | 0.05 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 1.00 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 203 | 203 | < 0.005 | 0.01 | 0.63 | 206 |
| 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 | 0.06 | 0.06 | 0.06 | 0.75 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 187 | 187 | < 0.005 | 0.01 | 0.02 | 189 |
| 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 | 0.01 | 0.01 | 0.01 | 0.16 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 39 | 39 | < 0.005 | < 0.005 | 0.06 | 39 |
| 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 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.4 | 6.4 | < 0.005 | < 0.005 | 0.01 | 6.5 |
| 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 |

## 3.6. Paving (2027) - 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 | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.3 | 1.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.3 | 1.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.05 | 1.5 | 2.2 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 311 | 311 | 0.01 | < 0.005 | — | 312 |
| Paving | 0.27 | 0.27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.27 | 0.40 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 51 | 51 | < 0.005 | < 0.005 | — | 52 |
| Paving | 0.05 | 0.05 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 1.00 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 203 | 203 | < 0.005 | 0.01 | 0.63 | 206 |
| 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 | 0.06 | 0.06 | 0.06 | 0.75 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 187 | 187 | < 0.005 | 0.01 | 0.02 | 189 |
| 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 | 0.01 | 0.01 | 0.01 | 0.16 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 39 | 39 | < 0.005 | < 0.005 | 0.06 | 39 |
| 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 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.4 | 6.4 | < 0.005 | < 0.005 | 0.01 | 6.5 |
| 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 |

## 3.7. Architectural Coating (2027) - 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 | 0.18 | 0.15 | 1.1 | 1.5 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 46 | 46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.18 | 0.15 | 1.1 | 1.5 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 46 | 46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.04 | 0.03 | 0.23 | 0.31 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 37 | 37 | < 0.005 | < 0.005 | — | 37 |
| Architectural Coatings | 9.4 | 9.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.01 | 0.04 | 0.06 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 6.1 | 6.1 | < 0.005 | < 0.005 | — | 6.1 |
| Architectural Coatings | 1.7 | 1.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.24 | 0.22 | 0.19 | 3.6 | 0.00 | 0.00 | 0.70 | 0.70 | 0.00 | 0.17 | 0.17 | — | 730 | 730 | 0.01 | 0.03 | 2.3 | 740 |
| 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 | 0.23 | 0.20 | 0.21 | 2.7 | 0.00 | 0.00 | 0.70 | 0.70 | 0.00 | 0.17 | 0.17 | — | 671 | 671 | 0.01 | 0.03 | 0.06 | 679 |
| 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 | 0.05 | 0.04 | 0.05 | 0.58 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 140 | 140 | < 0.005 | 0.01 | 0.20 | 141 |
| 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 | 0.01 | 0.01 | 0.01 | 0.11 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 23 | 23 | < 0.005 | < 0.005 | 0.03 | 23 |
| 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 |

## 3.8. Architectural Coating (2027) - 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 46 | 46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 46 | 46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.01 | 0.29 | 0.26 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 37 | 37 | < 0.005 | < 0.005 | — | 37 |
| Architectural Coatings | 9.4 | 9.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 6.1 | 6.1 | < 0.005 | < 0.005 | — | 6.1 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architect Coatings | 1.7 | 1.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.24 | 0.22 | 0.19 | 3.6 | 0.00 | 0.00 | 0.70 | 0.70 | 0.00 | 0.17 | 0.17 | — | 730 | 730 | 0.01 | 0.03 | 2.3 | 740 |
| 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 | 0.23 | 0.20 | 0.21 | 2.7 | 0.00 | 0.00 | 0.70 | 0.70 | 0.00 | 0.17 | 0.17 | — | 671 | 671 | 0.01 | 0.03 | 0.06 | 679 |
| 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 | 0.05 | 0.04 | 0.05 | 0.58 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 140 | 140 | < 0.005 | 0.01 | 0.20 | 141 |
| 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 | 0.01 | 0.01 | 0.01 | 0.11 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 23 | 23 | < 0.005 | < 0.005 | 0.03 | 23 |
| 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

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Remove | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
|---|---|---|---|---|---|---|
| Remedial Grading | Grading | 1/9/2027 | 4/2/2027 | 5.0 | 60 | — |
| Building Construction | Building Construction | 4/3/2027 | 12/31/2027 | 5.0 | 195 | — |
| Paving | Paving | 9/20/2027 | 12/31/2027 | 5.0 | 75 | — |
| Architectural Coating | Architectural Coating | 9/20/2027 | 12/31/2027 | 5.0 | 75 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Average | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Average | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Average | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Average | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Average | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Average | 6.0 | 8.0 | 82 | 0.20 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Average | 2.0 | 8.0 | 367 | 0.29 |
| Building Construction | Welders | Diesel | Average | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Average | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Average | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Average | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 8.0 | 37 | 0.48 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Tier 4 Interim | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Tier 4 Interim | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Tier 4 Interim | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Tier 4 Interim | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.29 |
| Building Construction | Welders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Tier 4 Interim | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Tier 4 Interim | 1.00 | 8.0 | 37 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 25 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 269 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 80 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 54 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 25 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 269 | 19 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| Building Construction | Vendor | 80 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 54 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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) |
|---|---|---|---|---|---|
| Architectural Coating | 0.00 | 0.00 | 962,433 | 320,811 | 96,803 |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Remedial Grading | — | — | 450 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 37 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

## 5.7. Construction Paving

| Phase Name | Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|---|
| Paving | Unrefrigerated Warehouse-No Rail | 0.00 | 0% |
| Paving | Parking Lot | 7.4 | 100% |
| Paving | Other Asphalt Surfaces | 30 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2027 | 0.00 | 532 | 0.03 | < 0.005 |

## 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 | 31 | annual days of extreme heat |
| Extreme Precipitation | 5.3 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 98 |
| AQ-PM | 37 |
| AQ-DPM | 2.9 |
| Drinking Water | 59 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24 |
| Toxic Releases | 25 |
| Traffic | 81 |
| Effect Indicators | — |
| CleanUp Sites | 17 |
| Groundwater | 60 |
| Haz Waste Facilities/Generators | 68 |
| Impaired Water Bodies | 12 |
| Solid Waste | 95 |

| | |
|---|---|
| Sensitive Population | — |
| Asthma | 82 |
| Cardio-vascular | 93 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 20 |
| Housing | 30 |
| Linguistic | 9.5 |
| Poverty | 30 |
| Unemployment | 94 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |

| | |
|---|---|
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67 |

| | |
|---|---|
| Healthy Places Index Score for Project Location (b) | 33 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Construction: Construction Phases | Construction schedule based on data provided by the applicant. |
| Construction: Off-Road Equipment | Crawler tractors assumed during grading in lieu of tractors/loaders/backhoes in order to account for fugitive dust. All equipment assumed to operate 8 hours per day. |
| Construction: Trips and VMT | Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Remedial Grading and Building Construction. |
| Construction: Architectural Coatings | Rule 1113 limits |

# 15718 Beaumont Heights Construction Ph2 Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Remedial Grading (2028) - Unmitigated

3.2. Remedial Grading (2028) - Mitigated

3.3. Building Construction (2028) - Unmitigated

3.4. Building Construction (2028) - Mitigated

3.5. Building Construction (2029) - Unmitigated

3.6. Building Construction (2029) - Mitigated

3.7. Paving (2029) - Unmitigated

3.8. Paving (2029) - Mitigated

3.9. Architectural Coating (2029) - Unmitigated

3.10. Architectural Coating (2029) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Construction Ph2 |
| Construction Start Date | 6/2/2026 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.5 |
| Precipitation (days) | 19 |
| Location | 33.910963943172064, -116.97694984715945 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.35 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,386 | 1000sqft | 32 | 1,386,044 | 0.00 | — | — | — |
| Parking Lot | 1,502 | Space | 14 | 0.00 | 0.00 | — | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 44 | Acre | 44 | 0.00 | 0.00 | — | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Construction | C-5 | Use Advanced Engine Tiers |

# 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. | 73 | 72 | 34 | 82 | 0.11 | 0.94 | 11 | 12 | 0.87 | 2.6 | 3.5 | — | 21,714 | 21,714 | 0.47 | 1.2 | 36 | 22,123 |
| Mit. | 70 | 70 | 37 | 87 | 0.11 | 0.46 | 11 | 11 | 0.44 | 2.6 | 3.1 | — | 21,714 | 21,714 | 0.47 | 1.2 | 36 | 22,123 |
| % Reduced | 3% | 2% | -9% | -6% | — | 51% | — | 4% | 50% | — | 12% | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 72 | 71 | 51 | 72 | 0.13 | 2.2 | 11 | 12 | 2.1 | 2.6 | 4.2 | — | 20,975 | 20,975 | 0.55 | 1.2 | 0.93 | 21,348 |
| Mit. | 70 | 70 | 38 | 77 | 0.13 | 0.46 | 11 | 11 | 0.44 | 2.6 | 3.1 | — | 20,975 | 20,975 | 0.55 | 1.2 | 0.93 | 21,348 |
| % Reduced | 3% | 2% | 25% | -7% | — | 79% | — | 4% | 79% | — | 26% | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 22 | 22 | 24 | 41 | 0.07 | 0.77 | 6.0 | 6.8 | 0.72 | 1.6 | 2.3 | — | 12,326 | 12,326 | 0.31 | 0.69 | 8.6 | 12,549 |
| Mit. | 21 | 21 | 22 | 46 | 0.07 | 0.24 | 6.0 | 6.3 | 0.23 | 1.6 | 1.8 | — | 12,326 | 12,326 | 0.31 | 0.69 | 8.6 | 12,549 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % Reduced | 4% | 3% | 6% | -12% | — | 69% | — | 8% | 68% | — | 21% | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 4.1 | 4.0 | 4.3 | 7.6 | 0.01 | 0.14 | 1.1 | 1.2 | 0.13 | 0.29 | 0.42 | — | 2,041 | 2,041 | 0.05 | 0.11 | 1.4 | 2,078 |
| Mit. | 3.9 | 3.9 | 4.1 | 8.5 | 0.01 | 0.04 | 1.1 | 1.1 | 0.04 | 0.29 | 0.33 | — | 2,041 | 2,041 | 0.05 | 0.11 | 1.4 | 2,078 |
| % Reduced | 4% | 3% | 6% | -12% | — | 69% | — | 8% | 68% | — | 21% | — | — | — | — | — | — | — |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 5.4 | 4.5 | 27 | 66 | 0.09 | 0.74 | 9.3 | 10 | 0.69 | 2.2 | 2.9 | — | 18,596 | 18,596 | 0.39 | 1.2 | 35 | 18,992 |
| 2029 | 73 | 72 | 34 | 82 | 0.11 | 0.94 | 11 | 12 | 0.87 | 2.6 | 3.5 | — | 21,714 | 21,714 | 0.47 | 1.2 | 36 | 22,123 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 7.3 | 6.1 | 51 | 57 | 0.13 | 2.2 | 9.3 | 10 | 2.1 | 2.2 | 4.2 | — | 17,981 | 17,981 | 0.55 | 1.2 | 0.91 | 18,343 |
| 2029 | 72 | 71 | 34 | 72 | 0.11 | 0.94 | 11 | 12 | 0.87 | 2.6 | 3.5 | — | 20,975 | 20,975 | 0.48 | 1.2 | 0.93 | 21,348 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 3.9 | 3.4 | 24 | 41 | 0.07 | 0.77 | 6.0 | 6.8 | 0.72 | 1.6 | 2.3 | — | 12,326 | 12,326 | 0.31 | 0.69 | 8.6 | 12,549 |
| 2029 | 22 | 22 | 13 | 29 | 0.04 | 0.36 | 4.3 | 4.7 | 0.34 | 1.0 | 1.4 | — | 8,372 | 8,372 | 0.19 | 0.49 | 6.2 | 8,530 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 0.72 | 0.62 | 4.3 | 7.6 | 0.01 | 0.14 | 1.1 | 1.2 | 0.13 | 0.29 | 0.42 | — | 2,041 | 2,041 | 0.05 | 0.11 | 1.4 | 2,078 |
| 2029 | 4.1 | 4.0 | 2.4 | 5.2 | 0.01 | 0.07 | 0.79 | 0.85 | 0.06 | 0.19 | 0.25 | — | 1,386 | 1,386 | 0.03 | 0.08 | 1.0 | 1,412 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 3.7 | 3.3 | 28 | 70 | 0.09 | 0.33 | 9.3 | 9.6 | 0.32 | 2.2 | 2.6 | — | 18,596 | 18,596 | 0.39 | 1.2 | 35 | 18,992 |
| 2029 | 70 | 70 | 37 | 87 | 0.11 | 0.46 | 11 | 11 | 0.44 | 2.6 | 3.1 | — | 21,714 | 21,714 | 0.47 | 1.2 | 36 | 22,123 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 3.4 | 3.1 | 38 | 71 | 0.13 | 0.35 | 9.3 | 9.6 | 0.34 | 2.2 | 2.6 | — | 17,981 | 17,981 | 0.55 | 1.2 | 0.91 | 18,343 |
| 2029 | 70 | 70 | 37 | 77 | 0.11 | 0.46 | 11 | 11 | 0.44 | 2.6 | 3.1 | — | 20,975 | 20,975 | 0.48 | 1.2 | 0.93 | 21,348 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 2.1 | 2.0 | 22 | 46 | 0.07 | 0.24 | 6.0 | 6.3 | 0.23 | 1.6 | 1.8 | — | 12,326 | 12,326 | 0.31 | 0.69 | 8.6 | 12,549 |
| 2029 | 21 | 21 | 14 | 31 | 0.04 | 0.18 | 4.3 | 4.5 | 0.17 | 1.0 | 1.2 | — | 8,372 | 8,372 | 0.19 | 0.49 | 6.2 | 8,530 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 0.39 | 0.37 | 4.1 | 8.5 | 0.01 | 0.04 | 1.1 | 1.1 | 0.04 | 0.29 | 0.33 | — | 2,041 | 2,041 | 0.05 | 0.11 | 1.4 | 2,078 |
| 2029 | 3.9 | 3.9 | 2.6 | 5.6 | 0.01 | 0.03 | 0.79 | 0.82 | 0.03 | 0.19 | 0.22 | — | 1,386 | 1,386 | 0.03 | 0.08 | 1.0 | 1,412 |

# 3. Construction Emissions Details

## 3.1. Remedial Grading (2028) - 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 | 7.1 | 6.0 | 50 | 53 | 0.12 | 2.2 | — | 2.2 | 2.0 | — | 2.0 | — | 12,940 | 12,940 | 0.52 | 0.10 | — | 12,984 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 1.2 | 0.98 | 8.2 | 8.7 | 0.02 | 0.36 | — | 0.36 | 0.33 | — | 0.33 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.21 | 0.18 | 1.5 | 1.6 | < 0.005 | 0.07 | — | 0.07 | 0.06 | — | 0.06 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.13 | 0.13 | 0.14 | 1.6 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 428 | 428 | 0.01 | 0.02 | 0.03 | 433 |
| Vendor | 0.04 | 0.02 | 1.0 | 0.32 | 0.01 | 0.01 | 0.28 | 0.30 | 0.01 | 0.08 | 0.09 | — | 954 | 954 | 0.02 | 0.15 | 0.06 | 998 |
| 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 | 0.02 | 0.02 | 0.02 | 0.28 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 71 | 71 | < 0.005 | < 0.005 | 0.09 | 72 |
| Vendor | 0.01 | < 0.005 | 0.17 | 0.05 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.02 | — | 157 | 157 | < 0.005 | 0.02 | 0.16 | 164 |
| 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 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12 | 12 | < 0.005 | < 0.005 | 0.02 | 12 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 26 | 26 | < 0.005 | < 0.005 | 0.03 | 27 |
| 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 |

## 3.2. Remedial Grading (2028) - 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 | 1.6 | 1.6 | 37 | 69 | 0.12 | 0.33 | — | 0.33 | 0.32 | — | 0.32 | — | 12,940 | 12,940 | 0.52 | 0.10 | — | 12,984 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 0.26 | 0.26 | 6.1 | 11 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.05 | 1.1 | 2.1 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.13 | 0.13 | 0.14 | 1.6 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 428 | 428 | 0.01 | 0.02 | 0.03 | 433 |
| Vendor | 0.04 | 0.02 | 1.0 | 0.32 | 0.01 | 0.01 | 0.28 | 0.30 | 0.01 | 0.08 | 0.09 | — | 954 | 954 | 0.02 | 0.15 | 0.06 | 998 |
| 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 | 0.02 | 0.02 | 0.02 | 0.28 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 71 | 71 | < 0.005 | < 0.005 | 0.09 | 72 |
| Vendor | 0.01 | < 0.005 | 0.17 | 0.05 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.02 | — | 157 | 157 | < 0.005 | 0.02 | 0.16 | 164 |
| 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 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12 | 12 | < 0.005 | < 0.005 | 0.02 | 12 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 26 | 26 | < 0.005 | < 0.005 | 0.03 | 27 |
| 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 |

## 3.3. Building Construction (2028) - 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 | 2.6 | 2.1 | 19 | 28 | 0.05 | 0.65 | — | 0.65 | 0.60 | — | 0.60 | — | 5,260 | 5,260 | 0.21 | 0.04 | — | 5,278 |
| 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-Roa Equipment | 2.6 | 2.1 | 19 | 28 | 0.05 | 0.65 | — | 0.65 | 0.60 | — | 0.60 | — | 5,260 | 5,260 | 0.21 | 0.04 | — | 5,278 |
| 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-Roa d Equipm ent | 1.4 | 1.2 | 11 | 15 | 0.03 | 0.36 | — | 0.36 | 0.33 | — | 0.33 | — | 2,903 | 2,903 | 0.12 | 0.02 | — | 2,913 |
| 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-Roa d Equipm ent | 0.26 | 0.22 | 1.9 | 2.8 | 0.01 | 0.07 | — | 0.07 | 0.06 | — | 0.06 | — | 481 | 481 | 0.02 | < 0.005 | — | 482 |
| 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 | 2.5 | 2.3 | 2.0 | 36 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 7,733 | 7,733 | 0.09 | 0.28 | 22 | 7,839 |
| Vendor | 0.26 | 0.12 | 5.7 | 1.8 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,603 | 5,603 | 0.09 | 0.86 | 13 | 5,875 |
| 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 | 2.2 | 2.1 | 2.3 | 27 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 7,113 | 7,113 | 0.10 | 0.28 | 0.57 | 7,198 |
| Vendor | 0.25 | 0.11 | 6.0 | 1.9 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,608 | 5,608 | 0.09 | 0.86 | 0.34 | 5,866 |
| 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 | 1.2 | 1.2 | 1.3 | 16 | 0.00 | 0.00 | 4.1 | 4.1 | 0.00 | 0.97 | 0.97 | — | 3,975 | 3,975 | 0.06 | 0.15 | 5.2 | 4,027 |
| Vendor | 0.14 | 0.06 | 3.3 | 1.0 | 0.02 | 0.05 | 0.91 | 0.95 | 0.05 | 0.25 | 0.30 | — | 3,093 | 3,093 | 0.05 | 0.47 | 3.2 | 3,239 |
| 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 | 0.22 | 0.21 | 0.23 | 2.9 | 0.00 | 0.00 | 0.76 | 0.76 | 0.00 | 0.18 | 0.18 | — | 658 | 658 | 0.01 | 0.03 | 0.87 | 667 |
| Vendor | 0.03 | 0.01 | 0.60 | 0.19 | < 0.005 | 0.01 | 0.17 | 0.17 | 0.01 | 0.05 | 0.05 | — | 512 | 512 | 0.01 | 0.08 | 0.52 | 536 |
| 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 |

## 3.4. Building Construction (2028) - 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,260 | 5,260 | 0.21 | 0.04 | — | 5,278 |
| 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,260 | 5,260 | 0.21 | 0.04 | — | 5,278 |
| 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 | 0.51 | 0.49 | 11 | 18 | 0.03 | 0.14 | — | 0.14 | 0.13 | — | 0.13 | — | 2,903 | 2,903 | 0.12 | 0.02 | — | 2,913 |
| 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 | 0.09 | 2.1 | 3.3 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 481 | 481 | 0.02 | < 0.005 | — | 482 |
| 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 | 2.5 | 2.3 | 2.0 | 36 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 7,733 | 7,733 | 0.09 | 0.28 | 22 | 7,839 |
| Vendor | 0.26 | 0.12 | 5.7 | 1.8 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,603 | 5,603 | 0.09 | 0.86 | 13 | 5,875 |
| 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 | 2.2 | 2.1 | 2.3 | 27 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 7,113 | 7,113 | 0.10 | 0.28 | 0.57 | 7,198 |
| Vendor | 0.25 | 0.11 | 6.0 | 1.9 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,608 | 5,608 | 0.09 | 0.86 | 0.34 | 5,866 |
| 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 | 1.2 | 1.2 | 1.3 | 16 | 0.00 | 0.00 | 4.1 | 4.1 | 0.00 | 0.97 | 0.97 | — | 3,975 | 3,975 | 0.06 | 0.15 | 5.2 | 4,027 |
| Vendor | 0.14 | 0.06 | 3.3 | 1.0 | 0.02 | 0.05 | 0.91 | 0.95 | 0.05 | 0.25 | 0.30 | — | 3,093 | 3,093 | 0.05 | 0.47 | 3.2 | 3,239 |
| 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 | 0.22 | 0.21 | 0.23 | 2.9 | 0.00 | 0.00 | 0.76 | 0.76 | 0.00 | 0.18 | 0.18 | — | 658 | 658 | 0.01 | 0.03 | 0.87 | 667 |
| Vendor | 0.03 | 0.01 | 0.60 | 0.19 | < 0.005 | 0.01 | 0.17 | 0.17 | 0.01 | 0.05 | 0.05 | — | 512 | 512 | 0.01 | 0.08 | 0.52 | 536 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

## 3.5. Building Construction (2029) - 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 | 2.5 | 2.1 | 19 | 28 | 0.05 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 2.5 | 2.1 | 19 | 28 | 0.05 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 1.0 | 0.87 | 7.7 | 12 | 0.02 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 2,182 | 2,182 | 0.09 | 0.02 | — | 2,189 |
| 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 Equipm | 0.19 | 0.16 | 1.4 | 2.1 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 361 | 361 | 0.01 | < 0.005 | — | 362 |
| 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 | 2.2 | 2.2 | 1.7 | 34 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 7,595 | 7,595 | 0.08 | 0.28 | 20 | 7,699 |
| Vendor | 0.26 | 0.12 | 5.5 | 1.8 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,457 | 5,457 | 0.09 | 0.82 | 12 | 5,714 |
| 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 | 2.1 | 1.8 | 2.0 | 25 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 6,988 | 6,988 | 0.09 | 0.28 | 0.51 | 7,073 |
| Vendor | 0.25 | 0.11 | 5.7 | 1.8 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,461 | 5,461 | 0.09 | 0.82 | 0.31 | 5,707 |
| 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 | 0.86 | 0.75 | 0.83 | 11 | 0.00 | 0.00 | 3.1 | 3.1 | 0.00 | 0.73 | 0.73 | — | 2,936 | 2,936 | 0.04 | 0.11 | 3.5 | 2,974 |
| Vendor | 0.11 | 0.05 | 2.4 | 0.75 | 0.02 | 0.04 | 0.68 | 0.72 | 0.04 | 0.19 | 0.22 | — | 2,265 | 2,265 | 0.04 | 0.34 | 2.1 | 2,369 |
| 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 | 0.16 | 0.14 | 0.15 | 2.0 | 0.00 | 0.00 | 0.57 | 0.57 | 0.00 | 0.13 | 0.13 | — | 486 | 486 | 0.01 | 0.02 | 0.58 | 492 |
| Vendor | 0.02 | 0.01 | 0.44 | 0.14 | < 0.005 | 0.01 | 0.12 | 0.13 | 0.01 | 0.03 | 0.04 | — | 375 | 375 | 0.01 | 0.06 | 0.35 | 392 |
| 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 |

## 3.6. Building Construction (2029) - 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.39 | 0.37 | 8.5 | 13 | 0.02 | 0.10 | — | 0.10 | 0.10 | — | 0.10 | — | 2,182 | 2,182 | 0.09 | 0.02 | — | 2,189 |
| 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 | 0.07 | 1.6 | 2.5 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 361 | 361 | 0.01 | < 0.005 | — | 362 |
| 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.2 | 2.2 | 1.7 | 34 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 7,595 | 7,595 | 0.08 | 0.28 | 20 | 7,699 |
| Vendor | 0.26 | 0.12 | 5.5 | 1.8 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,457 | 5,457 | 0.09 | 0.82 | 12 | 5,714 |
| 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 | 2.1 | 1.8 | 2.0 | 25 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 6,988 | 6,988 | 0.09 | 0.28 | 0.51 | 7,073 |
| Vendor | 0.25 | 0.11 | 5.7 | 1.8 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,461 | 5,461 | 0.09 | 0.82 | 0.31 | 5,707 |
| 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 | 0.86 | 0.75 | 0.83 | 11 | 0.00 | 0.00 | 3.1 | 3.1 | 0.00 | 0.73 | 0.73 | — | 2,936 | 2,936 | 0.04 | 0.11 | 3.5 | 2,974 |
| Vendor | 0.11 | 0.05 | 2.4 | 0.75 | 0.02 | 0.04 | 0.68 | 0.72 | 0.04 | 0.19 | 0.22 | — | 2,265 | 2,265 | 0.04 | 0.34 | 2.1 | 2,369 |
| 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 | 0.16 | 0.14 | 0.15 | 2.0 | 0.00 | 0.00 | 0.57 | 0.57 | 0.00 | 0.13 | 0.13 | — | 486 | 486 | 0.01 | 0.02 | 0.58 | 492 |
| Vendor | 0.02 | 0.01 | 0.44 | 0.14 | < 0.005 | 0.01 | 0.12 | 0.13 | 0.01 | 0.03 | 0.04 | — | 375 | 375 | 0.01 | 0.06 | 0.35 | 392 |
| 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 |

## 3.7. Paving (2029) - 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipm | 0.80 | 0.67 | 6.5 | 9.9 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.4 | 1.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.80 | 0.67 | 6.5 | 9.9 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.4 | 1.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.24 | 0.20 | 1.9 | 3.0 | < 0.005 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 455 | 455 | 0.02 | < 0.005 | — | 457 |
| Paving | 0.41 | 0.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.36 | 0.55 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 75 | 75 | < 0.005 | < 0.005 | — | 76 |
| Paving | 0.08 | 0.08 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.06 | 0.04 | 0.87 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 196 | 196 | < 0.005 | 0.01 | 0.50 | 198 |
| 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 | 0.05 | 0.05 | 0.05 | 0.65 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 180 | 180 | < 0.005 | 0.01 | 0.01 | 182 |
| 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 | 0.02 | 0.01 | 0.02 | 0.21 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 55 | 55 | < 0.005 | < 0.005 | 0.07 | 56 |
| 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 9.1 | 9.1 | < 0.005 | < 0.005 | 0.01 | 9.2 |
| 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 |

## 3.8. Paving (2029) - 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 Equipm | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.4 | 1.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.4 | 1.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.07 | 0.07 | 2.2 | 3.2 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 455 | 455 | 0.02 | < 0.005 | — | 457 |
| Paving | 0.41 | 0.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.40 | 0.58 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 75 | 75 | < 0.005 | < 0.005 | — | 76 |
| Paving | 0.08 | 0.08 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.04 | 0.87 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 196 | 196 | < 0.005 | 0.01 | 0.50 | 198 |
| 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 | 0.05 | 0.05 | 0.05 | 0.65 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 180 | 180 | < 0.005 | 0.01 | 0.01 | 182 |
| 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 | 0.02 | 0.01 | 0.02 | 0.21 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 55 | 55 | < 0.005 | < 0.005 | 0.07 | 56 |
| 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 9.1 | 9.1 | < 0.005 | < 0.005 | 0.01 | 9.2 |
| 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 |

## 3.9. Architectural Coating (2029) - 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 Equipm | 0.17 | 0.14 | 1.1 | 1.5 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 65 | 65 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.17 | 0.14 | 1.1 | 1.5 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 65 | 65 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 0.04 | 0.32 | 0.45 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 54 | 54 | < 0.005 | < 0.005 | — | 54 |
| Architectural Coatings | 20 | 20 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.06 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | — | 8.9 |
| Architectural Coatings | 3.6 | 3.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.44 | 0.43 | 0.35 | 6.7 | 0.00 | 0.00 | 1.5 | 1.5 | 0.00 | 0.36 | 0.36 | — | 1,519 | 1,519 | 0.02 | 0.06 | 3.9 | 1,540 |
| 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 | 0.42 | 0.36 | 0.40 | 5.1 | 0.00 | 0.00 | 1.5 | 1.5 | 0.00 | 0.36 | 0.36 | — | 1,398 | 1,398 | 0.02 | 0.06 | 0.10 | 1,415 |
| 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 | 0.13 | 0.11 | 0.12 | 1.6 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.11 | 0.11 | — | 426 | 426 | 0.01 | 0.02 | 0.51 | 432 |
| 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 | 0.02 | 0.02 | 0.02 | 0.29 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | — | 71 | 71 | < 0.005 | < 0.005 | 0.08 | 72 |
| 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 |

## 3.10. Architectural Coating (2029) - 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 65 | 65 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 65 | 65 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.01 | 0.43 | 0.39 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 54 | 54 | < 0.005 | < 0.005 | — | 54 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architect Coatings | 20 | 20 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.08 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | — | 8.9 |
| Architectural Coatings | 3.6 | 3.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.44 | 0.43 | 0.35 | 6.7 | 0.00 | 0.00 | 1.5 | 1.5 | 0.00 | 0.36 | 0.36 | — | 1,519 | 1,519 | 0.02 | 0.06 | 3.9 | 1,540 |
| 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 | 0.42 | 0.36 | 0.40 | 5.1 | 0.00 | 0.00 | 1.5 | 1.5 | 0.00 | 0.36 | 0.36 | — | 1,398 | 1,398 | 0.02 | 0.06 | 0.10 | 1,415 |
| 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 | 0.13 | 0.11 | 0.12 | 1.6 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.11 | 0.11 | — | 426 | 426 | 0.01 | 0.02 | 0.51 | 432 |
| 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 | 0.02 | 0.02 | 0.02 | 0.29 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | — | 71 | 71 | < 0.005 | < 0.005 | 0.08 | 72 |
| 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

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|
| Remedial Grading | Grading | 1/1/2028 | 3/24/2028 | 5.0 | 60 | — |
| Building Construction | Building Construction | 3/25/2028 | 7/31/2029 | 5.0 | 352 | — |
| Paving | Paving | 2/28/2029 | 7/31/2029 | 5.0 | 110 | — |
| Architectural Coating | Architectural Coating | 2/28/2029 | 7/31/2029 | 5.0 | 110 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Average | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Average | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Average | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Average | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Average | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Average | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Average | 2.0 | 8.0 | 367 | 0.29 |
| Building Construction | Welders | Diesel | Average | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Average | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Average | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Average | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 8.0 | 37 | 0.48 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Tier 4 Interim | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Tier 4 Interim | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Tier 4 Interim | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Tier 4 Interim | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.29 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Welders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Tier 4 Interim | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Tier 4 Interim | 1.00 | 8.0 | 37 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 33 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 582 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 194 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | — | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 116 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | — | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 33 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 582 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 194 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | — | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 116 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | — | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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) |
|---|---|---|---|---|---|
| Architectural Coating | 0.00 | 0.00 | 2,079,066 | 693,022 | 149,728 |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Remedial Grading | — | — | 450 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 57 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

## 5.7. Construction Paving

| Phase Name | Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|---|
| Paving | Unrefrigerated Warehouse-No Rail | 0.00 | 0% |
| Paving | Parking Lot | 14 | 100% |
| Paving | Other Asphalt Surfaces | 44 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2028 | 0.00 | 532 | 0.03 | < 0.005 |
| 2029 | 0.00 | 532 | 0.03 | < 0.005 |

## 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 | 31 | annual days of extreme heat |
| Extreme Precipitation | 5.3 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 98 |
| AQ-PM | 37 |
| AQ-DPM | 2.9 |
| Drinking Water | 59 |
| Lead Risk Housing | 0.37 |

| | |
|---|---|
| Pesticides | 24 |
| Toxic Releases | 25 |
| Traffic | 81 |
| Effect Indicators | — |
| CleanUp Sites | 17 |
| Groundwater | 60 |
| Haz Waste Facilities/Generators | 68 |
| Impaired Water Bodies | 12 |
| Solid Waste | 95 |
| Sensitive Population | — |
| Asthma | 82 |
| Cardio-vascular | 93 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 20 |
| Housing | 30 |
| Linguistic | 9.5 |
| Poverty | 30 |
| Unemployment | 94 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |

| | |
|---|---|
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |

| | |
|---|---|
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67 |
| Healthy Places Index Score for Project Location (b) | 33 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Construction: Construction Phases | Construction schedule based on data provided by the applicant. |

| | |
|---|---|
| Construction: Off-Road Equipment | Crawler tractors assumed during grading in lieu of tractors/loaders/backhoes in order to account for fugitive dust. All equipment assumed to operate 8 hours per day. |
| Construction: Trips and VMT | Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Remedial Grading and Building Construction. |
| Construction: Architectural Coatings | Rule 1113 limits |

# 15718 Beaumont Heights Construction Ph3 Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Remedial Grading (2029) - Unmitigated

3.2. Remedial Grading (2029) - Mitigated

3.3. Building Construction (2029) - Unmitigated

3.4. Building Construction (2029) - Mitigated

3.5. Building Construction (2030) - Unmitigated

3.6. Building Construction (2030) - Mitigated

3.7. Paving (2030) - Unmitigated

3.8. Paving (2030) - Mitigated

3.9. Architectural Coating (2030) - Unmitigated

3.10. Architectural Coating (2030) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Construction Ph3 |
| Construction Start Date | 6/2/2026 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.5 |
| Precipitation (days) | 19 |
| Location | 33.910963943172064, -116.97694984715945 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.35 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,489 | 1000sqft | 34 | 1,488,920 | 0.00 | — | — | — |
| Parking Lot | 1,688 | Space | 15 | 0.00 | 0.00 | — | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 33 | Acre | 33 | 0.00 | 0.00 | — | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Construction | C-5 | Use Advanced Engine Tiers |

# 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. | 76 | 75 | 48 | 82 | 0.13 | 2.1 | 12 | 13 | 1.9 | 2.8 | 4.1 | — | 22,335 | 22,335 | 0.55 | 1.3 | 34 | 22,762 |
| Mit. | 73 | 73 | 39 | 87 | 0.13 | 0.46 | 12 | 12 | 0.44 | 2.8 | 3.3 | — | 22,335 | 22,335 | 0.55 | 1.3 | 34 | 22,762 |
| % Reduced | 3% | 2% | 20% | -6% | — | 78% | — | 3% | 77% | — | 19% | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 75 | 74 | 48 | 73 | 0.13 | 2.1 | 12 | 13 | 1.9 | 2.8 | 4.1 | — | 21,557 | 21,557 | 0.55 | 1.3 | 0.88 | 21,950 |
| Mit. | 73 | 73 | 39 | 78 | 0.13 | 0.46 | 12 | 12 | 0.44 | 2.8 | 3.3 | — | 21,557 | 21,557 | 0.55 | 1.3 | 0.88 | 21,950 |
| % Reduced | 3% | 2% | 20% | -7% | — | 78% | — | 3% | 77% | — | 19% | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 25 | 24 | 21 | 46 | 0.07 | 0.54 | 7.5 | 8.1 | 0.50 | 1.8 | 2.3 | — | 14,088 | 14,088 | 0.32 | 0.88 | 9.7 | 14,368 |
| Mit. | 23 | 23 | 23 | 49 | 0.07 | 0.28 | 7.5 | 7.8 | 0.27 | 1.8 | 2.1 | — | 14,088 | 14,088 | 0.32 | 0.88 | 9.7 | 14,368 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % Reduced | 5% | 4% | -10% | -7% | — | 49% | — | 3% | 47% | — | 10% | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 4.5 | 4.4 | 3.8 | 8.4 | 0.01 | 0.10 | 1.4 | 1.5 | 0.09 | 0.33 | 0.42 | — | 2,332 | 2,332 | 0.05 | 0.15 | 1.6 | 2,379 |
| Mit. | 4.3 | 4.2 | 4.2 | 9.0 | 0.01 | 0.05 | 1.4 | 1.4 | 0.05 | 0.33 | 0.38 | — | 2,332 | 2,332 | 0.05 | 0.15 | 1.6 | 2,379 |
| % Reduced | 5% | 4% | -10% | -7% | — | 49% | — | 3% | 47% | — | 10% | — | — | — | — | — | — | — |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 7.0 | 5.9 | 48 | 55 | 0.13 | 2.1 | 6.0 | 8.1 | 1.9 | 2.1 | 4.1 | — | 14,519 | 14,519 | 0.55 | 0.29 | 3.6 | 14,622 |
| 2030 | 76 | 75 | 33 | 82 | 0.11 | 0.89 | 12 | 13 | 0.83 | 2.8 | 3.7 | — | 22,335 | 22,335 | 0.48 | 1.3 | 34 | 22,762 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 7.0 | 5.9 | 48 | 57 | 0.13 | 2.1 | 9.9 | 11 | 1.9 | 2.4 | 4.1 | — | 18,508 | 18,508 | 0.55 | 1.2 | 0.87 | 18,876 |
| 2030 | 75 | 74 | 34 | 73 | 0.11 | 0.89 | 12 | 13 | 0.83 | 2.8 | 3.7 | — | 21,557 | 21,557 | 0.50 | 1.3 | 0.88 | 21,950 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 1.8 | 1.5 | 12 | 17 | 0.03 | 0.43 | 2.3 | 2.7 | 0.40 | 0.67 | 1.1 | — | 4,893 | 4,893 | 0.14 | 0.21 | 2.2 | 4,961 |
| 2030 | 25 | 24 | 21 | 46 | 0.07 | 0.54 | 7.5 | 8.1 | 0.50 | 1.8 | 2.3 | — | 14,088 | 14,088 | 0.32 | 0.88 | 9.7 | 14,368 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 0.33 | 0.28 | 2.1 | 3.1 | 0.01 | 0.08 | 0.42 | 0.50 | 0.07 | 0.12 | 0.20 | — | 810 | 810 | 0.02 | 0.03 | 0.37 | 821 |
| 2030 | 4.5 | 4.4 | 3.8 | 8.4 | 0.01 | 0.10 | 1.4 | 1.5 | 0.09 | 0.33 | 0.42 | — | 2,332 | 2,332 | 0.05 | 0.15 | 1.6 | 2,379 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 1.8 | 1.7 | 39 | 71 | 0.13 | 0.35 | 6.0 | 6.3 | 0.34 | 2.1 | 2.5 | — | 14,519 | 14,519 | 0.55 | 0.29 | 3.6 | 14,622 |
| 2030 | 73 | 73 | 37 | 87 | 0.11 | 0.46 | 12 | 12 | 0.44 | 2.8 | 3.3 | — | 22,335 | 22,335 | 0.48 | 1.3 | 34 | 22,762 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 3.4 | 2.9 | 39 | 71 | 0.13 | 0.35 | 9.9 | 10 | 0.34 | 2.4 | 2.7 | — | 18,508 | 18,508 | 0.55 | 1.2 | 0.87 | 18,876 |
| 2030 | 73 | 73 | 37 | 78 | 0.11 | 0.46 | 12 | 12 | 0.44 | 2.8 | 3.3 | — | 21,557 | 21,557 | 0.50 | 1.3 | 0.88 | 21,950 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 0.75 | 0.68 | 10 | 20 | 0.03 | 0.10 | 2.3 | 2.4 | 0.10 | 0.67 | 0.77 | — | 4,893 | 4,893 | 0.14 | 0.21 | 2.2 | 4,961 |
| 2030 | 23 | 23 | 23 | 49 | 0.07 | 0.28 | 7.5 | 7.8 | 0.27 | 1.8 | 2.1 | — | 14,088 | 14,088 | 0.32 | 0.88 | 9.7 | 14,368 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 0.14 | 0.12 | 1.9 | 3.7 | 0.01 | 0.02 | 0.42 | 0.44 | 0.02 | 0.12 | 0.14 | — | 810 | 810 | 0.02 | 0.03 | 0.37 | 821 |
| 2030 | 4.3 | 4.2 | 4.2 | 9.0 | 0.01 | 0.05 | 1.4 | 1.4 | 0.05 | 0.33 | 0.38 | — | 2,332 | 2,332 | 0.05 | 0.15 | 1.6 | 2,379 |

# 3. Construction Emissions Details

## 3.1. Remedial Grading (2029) - 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-Roa Equipment | 6.9 | 5.8 | 47 | 52 | 0.12 | 2.1 | — | 2.1 | 1.9 | — | 1.9 | — | 12,937 | 12,937 | 0.52 | 0.10 | — | 12,981 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 6.9 | 5.8 | 47 | 52 | 0.12 | 2.1 | — | 2.1 | 1.9 | — | 1.9 | — | 12,937 | 12,937 | 0.52 | 0.10 | — | 12,981 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 1.1 | 0.95 | 7.7 | 8.6 | 0.02 | 0.34 | — | 0.34 | 0.31 | — | 0.31 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.21 | 0.17 | 1.4 | 1.6 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.13 | 0.13 | 0.10 | 2.0 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 457 | 457 | < 0.005 | 0.02 | 1.2 | 463 |
| Vendor | 0.05 | 0.02 | 1.1 | 0.37 | 0.01 | 0.02 | 0.34 | 0.36 | 0.02 | 0.09 | 0.11 | — | 1,125 | 1,125 | 0.02 | 0.17 | 2.4 | 1,178 |
| 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 | 0.13 | 0.11 | 0.12 | 1.5 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 420 | 420 | 0.01 | 0.02 | 0.03 | 425 |
| Vendor | 0.05 | 0.02 | 1.2 | 0.38 | 0.01 | 0.02 | 0.34 | 0.36 | 0.02 | 0.09 | 0.11 | — | 1,126 | 1,126 | 0.02 | 0.17 | 0.06 | 1,177 |
| 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 | 0.02 | 0.02 | 0.02 | 0.26 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 70 | 70 | < 0.005 | < 0.005 | 0.08 | 71 |
| Vendor | 0.01 | < 0.005 | 0.20 | 0.06 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | — | 185 | 185 | < 0.005 | 0.03 | 0.17 | 194 |
| 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 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12 | 12 | < 0.005 | < 0.005 | 0.01 | 12 |
| Vendor | < 0.005 | < 0.005 | 0.04 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 31 | 31 | < 0.005 | < 0.005 | 0.03 | 32 |
| 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 |

## 3.2. Remedial Grading (2029) - 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 | 1.6 | 1.6 | 37 | 69 | 0.12 | 0.33 | — | 0.33 | 0.32 | — | 0.32 | — | 12,937 | 12,937 | 0.52 | 0.10 | — | 12,981 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 1.6 | 1.6 | 37 | 69 | 0.12 | 0.33 | — | 0.33 | 0.32 | — | 0.32 | — | 12,937 | 12,937 | 0.52 | 0.10 | — | 12,981 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 0.26 | 0.26 | 6.1 | 11 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.05 | 1.1 | 2.1 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.13 | 0.13 | 0.10 | 2.0 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 457 | 457 | < 0.005 | 0.02 | 1.2 | 463 |
| Vendor | 0.05 | 0.02 | 1.1 | 0.37 | 0.01 | 0.02 | 0.34 | 0.36 | 0.02 | 0.09 | 0.11 | — | 1,125 | 1,125 | 0.02 | 0.17 | 2.4 | 1,178 |
| 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 | 0.13 | 0.11 | 0.12 | 1.5 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 420 | 420 | 0.01 | 0.02 | 0.03 | 425 |
| Vendor | 0.05 | 0.02 | 1.2 | 0.38 | 0.01 | 0.02 | 0.34 | 0.36 | 0.02 | 0.09 | 0.11 | — | 1,126 | 1,126 | 0.02 | 0.17 | 0.06 | 1,177 |
| 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 | 0.02 | 0.02 | 0.02 | 0.26 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 70 | 70 | < 0.005 | < 0.005 | 0.08 | 71 |
| Vendor | 0.01 | < 0.005 | 0.20 | 0.06 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | — | 185 | 185 | < 0.005 | 0.03 | 0.17 | 194 |
| 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 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12 | 12 | < 0.005 | < 0.005 | 0.01 | 12 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | < 0.005 | < 0.005 | 0.04 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 31 | 31 | < 0.005 | < 0.005 | 0.03 | 32 |
| 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 |

## 3.3. Building Construction (2029) - 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 | 2.5 | 2.1 | 19 | 28 | 0.05 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.34 | 0.28 | 2.5 | 3.8 | 0.01 | 0.08 | — | 0.08 | 0.07 | — | 0.07 | — | 710 | 710 | 0.03 | 0.01 | — | 713 |
| 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 | 0.46 | 0.69 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 118 | 118 | < 0.005 | < 0.005 | — | 118 |
| 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 | 2.2 | 1.9 | 2.2 | 27 | 0.00 | 0.00 | 8.2 | 8.2 | 0.00 | 1.9 | 1.9 | — | 7,507 | 7,507 | 0.10 | 0.30 | 0.55 | 7,598 |
| Vendor | 0.26 | 0.12 | 6.0 | 1.9 | 0.05 | 0.09 | 1.7 | 1.8 | 0.09 | 0.48 | 0.57 | — | 5,743 | 5,743 | 0.10 | 0.86 | 0.32 | 6,001 |
| 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 | 0.30 | 0.26 | 0.29 | 3.9 | 0.00 | 0.00 | 1.1 | 1.1 | 0.00 | 0.26 | 0.26 | — | 1,026 | 1,026 | 0.01 | 0.04 | 1.2 | 1,040 |
| Vendor | 0.04 | 0.02 | 0.82 | 0.26 | 0.01 | 0.01 | 0.23 | 0.25 | 0.01 | 0.06 | 0.08 | — | 775 | 775 | 0.01 | 0.12 | 0.73 | 811 |
| 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 | 0.06 | 0.05 | 0.05 | 0.71 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 170 | 170 | < 0.005 | 0.01 | 0.20 | 172 |
| Vendor | 0.01 | < 0.005 | 0.15 | 0.05 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 128 | 128 | < 0.005 | 0.02 | 0.12 | 134 |
| 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 |

## 3.4. Building Construction (2029) - 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 Equipm | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.13 | 0.12 | 2.8 | 4.4 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 710 | 710 | 0.03 | 0.01 | — | 713 |
| 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 | 0.02 | 0.02 | 0.51 | 0.80 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 118 | 118 | < 0.005 | < 0.005 | — | 118 |
| 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 | 2.2 | 1.9 | 2.2 | 27 | 0.00 | 0.00 | 8.2 | 8.2 | 0.00 | 1.9 | 1.9 | — | 7,507 | 7,507 | 0.10 | 0.30 | 0.55 | 7,598 |
| Vendor | 0.26 | 0.12 | 6.0 | 1.9 | 0.05 | 0.09 | 1.7 | 1.8 | 0.09 | 0.48 | 0.57 | — | 5,743 | 5,743 | 0.10 | 0.86 | 0.32 | 6,001 |
| 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 | 0.30 | 0.26 | 0.29 | 3.9 | 0.00 | 0.00 | 1.1 | 1.1 | 0.00 | 0.26 | 0.26 | — | 1,026 | 1,026 | 0.01 | 0.04 | 1.2 | 1,040 |
| Vendor | 0.04 | 0.02 | 0.82 | 0.26 | 0.01 | 0.01 | 0.23 | 0.25 | 0.01 | 0.06 | 0.08 | — | 775 | 775 | 0.01 | 0.12 | 0.73 | 811 |
| 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 | 0.06 | 0.05 | 0.05 | 0.71 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 170 | 170 | < 0.005 | 0.01 | 0.20 | 172 |
| Vendor | 0.01 | < 0.005 | 0.15 | 0.05 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 128 | 128 | < 0.005 | 0.02 | 0.12 | 134 |
| 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 |

## 3.5. Building Construction (2030) - 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 | 2.4 | 2.0 | 18 | 28 | 0.05 | 0.57 | — | 0.57 | 0.52 | — | 0.52 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 2.4 | 2.0 | 18 | 28 | 0.05 | 0.57 | — | 0.57 | 0.52 | — | 0.52 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 1.7 | 1.5 | 13 | 20 | 0.04 | 0.40 | — | 0.40 | 0.37 | — | 0.37 | — | 3,756 | 3,756 | 0.15 | 0.03 | — | 3,769 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.32 | 0.26 | 2.4 | 3.6 | 0.01 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 622 | 622 | 0.03 | 0.01 | — | 624 |
| 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 | 2.2 | 2.0 | 1.6 | 34 | 0.00 | 0.00 | 8.2 | 8.2 | 0.00 | 1.9 | 1.9 | — | 8,022 | 8,022 | 0.08 | 0.30 | 19 | 8,131 |
| Vendor | 0.28 | 0.13 | 5.5 | 1.8 | 0.05 | 0.09 | 1.7 | 1.8 | 0.09 | 0.48 | 0.57 | — | 5,570 | 5,570 | 0.10 | 0.86 | 11 | 5,838 |
| 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 | 2.1 | 1.8 | 1.9 | 26 | 0.00 | 0.00 | 8.2 | 8.2 | 0.00 | 1.9 | 1.9 | — | 7,381 | 7,381 | 0.10 | 0.30 | 0.49 | 7,473 |
| Vendor | 0.26 | 0.12 | 5.8 | 1.9 | 0.05 | 0.09 | 1.7 | 1.8 | 0.09 | 0.48 | 0.57 | — | 5,574 | 5,574 | 0.10 | 0.86 | 0.29 | 5,833 |
| 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 | 1.5 | 1.3 | 1.3 | 19 | 0.00 | 0.00 | 5.8 | 5.8 | 0.00 | 1.4 | 1.4 | — | 5,339 | 5,339 | 0.07 | 0.21 | 5.8 | 5,409 |
| Vendor | 0.19 | 0.09 | 4.1 | 1.3 | 0.03 | 0.07 | 1.2 | 1.3 | 0.07 | 0.34 | 0.41 | — | 3,980 | 3,980 | 0.07 | 0.61 | 3.4 | 4,167 |
| 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 | 0.27 | 0.24 | 0.25 | 3.5 | 0.00 | 0.00 | 1.1 | 1.1 | 0.00 | 0.25 | 0.25 | — | 884 | 884 | 0.01 | 0.04 | 0.96 | 896 |
| Vendor | 0.04 | 0.02 | 0.76 | 0.24 | 0.01 | 0.01 | 0.23 | 0.24 | 0.01 | 0.06 | 0.07 | — | 659 | 659 | 0.01 | 0.10 | 0.56 | 690 |
| 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 |

## 3.6. Building Construction (2030) - 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.66 | 0.63 | 15 | 23 | 0.04 | 0.17 | — | 0.17 | 0.17 | — | 0.17 | — | 3,756 | 3,756 | 0.15 | 0.03 | — | 3,769 |
| 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 | 0.12 | 0.12 | 2.7 | 4.2 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 622 | 622 | 0.03 | 0.01 | — | 624 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 2.2 | 2.0 | 1.6 | 34 | 0.00 | 0.00 | 8.2 | 8.2 | 0.00 | 1.9 | 1.9 | — | 8,022 | 8,022 | 0.08 | 0.30 | 19 | 8,131 |
| Vendor | 0.28 | 0.13 | 5.5 | 1.8 | 0.05 | 0.09 | 1.7 | 1.8 | 0.09 | 0.48 | 0.57 | — | 5,570 | 5,570 | 0.10 | 0.86 | 11 | 5,838 |
| 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 | 2.1 | 1.8 | 1.9 | 26 | 0.00 | 0.00 | 8.2 | 8.2 | 0.00 | 1.9 | 1.9 | — | 7,381 | 7,381 | 0.10 | 0.30 | 0.49 | 7,473 |
| Vendor | 0.26 | 0.12 | 5.8 | 1.9 | 0.05 | 0.09 | 1.7 | 1.8 | 0.09 | 0.48 | 0.57 | — | 5,574 | 5,574 | 0.10 | 0.86 | 0.29 | 5,833 |
| 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 | 1.5 | 1.3 | 1.3 | 19 | 0.00 | 0.00 | 5.8 | 5.8 | 0.00 | 1.4 | 1.4 | — | 5,339 | 5,339 | 0.07 | 0.21 | 5.8 | 5,409 |
| Vendor | 0.19 | 0.09 | 4.1 | 1.3 | 0.03 | 0.07 | 1.2 | 1.3 | 0.07 | 0.34 | 0.41 | — | 3,980 | 3,980 | 0.07 | 0.61 | 3.4 | 4,167 |
| 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 | 0.27 | 0.24 | 0.25 | 3.5 | 0.00 | 0.00 | 1.1 | 1.1 | 0.00 | 0.25 | 0.25 | — | 884 | 884 | 0.01 | 0.04 | 0.96 | 896 |
| Vendor | 0.04 | 0.02 | 0.76 | 0.24 | 0.01 | 0.01 | 0.23 | 0.24 | 0.01 | 0.06 | 0.07 | — | 659 | 659 | 0.01 | 0.10 | 0.56 | 690 |
| 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 |

## 3.7. Paving (2030) - 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.77 | 0.64 | 6.3 | 9.9 | 0.01 | 0.22 | — | 0.22 | 0.20 | — | 0.20 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.1 | 1.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.77 | 0.64 | 6.3 | 9.9 | 0.01 | 0.22 | — | 0.22 | 0.20 | — | 0.20 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.1 | 1.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.19 | 1.9 | 3.0 | < 0.005 | 0.07 | — | 0.07 | 0.06 | — | 0.06 | — | 455 | 455 | 0.02 | < 0.005 | — | 457 |
| Paving | 0.35 | 0.35 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.35 | 0.54 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 75 | 75 | < 0.005 | < 0.005 | — | 76 |
| Paving | 0.06 | 0.06 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.05 | 0.05 | 0.04 | 0.81 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 192 | 192 | < 0.005 | 0.01 | 0.45 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.05 | 0.04 | 0.05 | 0.61 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 177 | 177 | < 0.005 | 0.01 | 0.01 | 179 |
| 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 | 0.02 | 0.01 | 0.01 | 0.19 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 54 | 54 | < 0.005 | < 0.005 | 0.06 | 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | 0.01 | 9.1 |
| 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 |

## 3.8. Paving (2030) - 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.1 | 1.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.1 | 1.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.07 | 2.2 | 3.2 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 455 | 455 | 0.02 | < 0.005 | — | 457 |
| Paving | 0.35 | 0.35 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.40 | 0.58 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 75 | 75 | < 0.005 | < 0.005 | — | 76 |
| Paving | 0.06 | 0.06 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.05 | 0.05 | 0.04 | 0.81 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 192 | 192 | < 0.005 | 0.01 | 0.45 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.05 | 0.04 | 0.05 | 0.61 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 177 | 177 | < 0.005 | 0.01 | 0.01 | 179 |
| 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 | 0.02 | 0.01 | 0.01 | 0.19 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 54 | 54 | < 0.005 | < 0.005 | 0.06 | 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | 0.01 | 9.1 |
| 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 |

## 3.9. Architectural Coating (2030) - 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.16 | 0.13 | 1.0 | 1.5 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 68 | 68 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.16 | 0.13 | 1.0 | 1.5 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 68 | 68 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 0.04 | 0.32 | 0.44 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 54 | 54 | < 0.005 | < 0.005 | — | 54 |
| Architectural Coatings | 21 | 21 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.01 | 0.06 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | — | 8.9 |
| Architectural Coatings | 3.7 | 3.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.45 | 0.39 | 0.32 | 6.7 | 0.00 | 0.00 | 1.6 | 1.6 | 0.00 | 0.38 | 0.38 | — | 1,604 | 1,604 | 0.02 | 0.06 | 3.7 | 1,626 |
| 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 | 0.43 | 0.37 | 0.38 | 5.1 | 0.00 | 0.00 | 1.6 | 1.6 | 0.00 | 0.38 | 0.38 | — | 1,476 | 1,476 | 0.02 | 0.06 | 0.10 | 1,495 |
| 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 | 0.13 | 0.11 | 0.11 | 1.6 | 0.00 | 0.00 | 0.49 | 0.49 | 0.00 | 0.11 | 0.11 | — | 450 | 450 | 0.01 | 0.02 | 0.49 | 456 |
| 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 | 0.02 | 0.02 | 0.02 | 0.30 | 0.00 | 0.00 | 0.09 | 0.09 | 0.00 | 0.02 | 0.02 | — | 75 | 75 | < 0.005 | < 0.005 | 0.08 | 76 |
| 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 |

## 3.10. Architectural Coating (2030) - 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 68 | 68 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 68 | 68 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.01 | 0.43 | 0.39 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 54 | 54 | < 0.005 | < 0.005 | — | 54 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architect Coatings | 21 | 21 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.08 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | — | 8.9 |
| Architectural Coatings | 3.7 | 3.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.45 | 0.39 | 0.32 | 6.7 | 0.00 | 0.00 | 1.6 | 1.6 | 0.00 | 0.38 | 0.38 | — | 1,604 | 1,604 | 0.02 | 0.06 | 3.7 | 1,626 |
| 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 | 0.43 | 0.37 | 0.38 | 5.1 | 0.00 | 0.00 | 1.6 | 1.6 | 0.00 | 0.38 | 0.38 | — | 1,476 | 1,476 | 0.02 | 0.06 | 0.10 | 1,495 |
| 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 | 0.13 | 0.11 | 0.11 | 1.6 | 0.00 | 0.00 | 0.49 | 0.49 | 0.00 | 0.11 | 0.11 | — | 450 | 450 | 0.01 | 0.02 | 0.49 | 456 |
| 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 | 0.02 | 0.02 | 0.02 | 0.30 | 0.00 | 0.00 | 0.09 | 0.09 | 0.00 | 0.02 | 0.02 | — | 75 | 75 | < 0.005 | < 0.005 | 0.08 | 76 |
| 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

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|
| Remedial Grading | Grading | 8/1/2029 | 10/23/2029 | 5.0 | 60 | — |
| Building Construction | Building Construction | 10/24/2029 | 12/31/2030 | 5.0 | 310 | — |
| Paving | Paving | 7/31/2030 | 12/31/2030 | 5.0 | 110 | — |
| Architectural Coating | Architectural Coating | 7/31/2030 | 12/31/2030 | 5.0 | 110 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Average | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Average | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Average | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Average | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Average | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Average | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Average | 2.0 | 8.0 | 367 | 0.29 |
| Building Construction | Welders | Diesel | Average | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Average | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Average | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Average | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 8.0 | 37 | 0.48 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Tier 4 Interim | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Tier 4 Interim | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Tier 4 Interim | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Tier 4 Interim | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.29 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Welders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Tier 4 Interim | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Tier 4 Interim | 1.00 | 8.0 | 37 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 40 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 625 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 204 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 125 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 40 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 625 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 204 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 125 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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) |
|---|---|---|---|---|---|
| Architectural Coating | 0.00 | 0.00 | 2,233,380 | 744,460 | 125,824 |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Remedial Grading | — | — | 450 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 48 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

## 5.7. Construction Paving

| Phase Name | Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|---|
| Paving | Unrefrigerated Warehouse-No Rail | 0.00 | 0% |
| Paving | Parking Lot | 15 | 100% |
| Paving | Other Asphalt Surfaces | 33 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2029 | 0.00 | 532 | 0.03 | < 0.005 |
| 2030 | 0.00 | 532 | 0.03 | < 0.005 |

## 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 | 31 | annual days of extreme heat |
| Extreme Precipitation | 5.3 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 98 |
| AQ-PM | 37 |
| AQ-DPM | 2.9 |
| Drinking Water | 59 |
| Lead Risk Housing | 0.37 |

| | |
|---|---|
| Pesticides | 24 |
| Toxic Releases | 25 |
| Traffic | 81 |
| Effect Indicators | — |
| CleanUp Sites | 17 |
| Groundwater | 60 |
| Haz Waste Facilities/Generators | 68 |
| Impaired Water Bodies | 12 |
| Solid Waste | 95 |
| Sensitive Population | — |
| Asthma | 82 |
| Cardio-vascular | 93 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 20 |
| Housing | 30 |
| Linguistic | 9.5 |
| Poverty | 30 |
| Unemployment | 94 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |

| | |
|---|---|
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |

| | |
|---|---|
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67 |
| Healthy Places Index Score for Project Location (b) | 33 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Construction: Construction Phases | Construction schedule based on data provided by the applicant. |

| | |
|---|---|
| Construction: Off-Road Equipment | Crawler tractors assumed during grading in lieu of tractors/loaders/backhoes in order to account for fugitive dust. All equipment assumed to operate 8 hours per day. |
| Construction: Trips and VMT | Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Remedial Grading and Building Construction. |
| Construction: Architectural Coatings | Rule 1113 limits |

# 15718 Beaumont Heights Construction Ph4 Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Remedial Grading (2031) - Unmitigated

3.2. Remedial Grading (2031) - Mitigated

3.3. Building Construction (2031) - Unmitigated

3.4. Building Construction (2031) - Mitigated

3.5. Building Construction (2032) - Unmitigated

3.6. Building Construction (2032) - Mitigated

3.7. Paving (2032) - Unmitigated

3.8. Paving (2032) - Mitigated

3.9. Architectural Coating (2032) - Unmitigated

3.10. Architectural Coating (2032) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Construction Ph4 |
| Construction Start Date | 6/2/2026 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.5 |
| Precipitation (days) | 19 |
| Location | 33.910963943172064, -116.97694984715945 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.35 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,666 | 1000sqft | 38 | 1,666,305 | 0.00 | — | — | — |
| Parking Lot | 2,013 | Space | 18 | 0.00 | 0.00 | — | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 49 | Acre | 49 | 0.00 | 0.00 | — | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Construction | C-5 | Use Advanced Engine Tiers |

# 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. | 85 | 84 | 32 | 82 | 0.12 | 0.81 | 13 | 14 | 0.70 | 3.2 | 3.9 | — | 23,766 | 23,766 | 0.49 | 1.1 | 30 | 24,129 |
| Mit. | 83 | 83 | 37 | 87 | 0.12 | 0.48 | 13 | 14 | 0.40 | 3.2 | 3.6 | — | 23,766 | 23,766 | 0.49 | 1.1 | 30 | 24,129 |
| % Reduced | 2% | 2% | -16% | -6% | — | 41% | — | 2% | 42% | — | 7% | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 85 | 84 | 43 | 72 | 0.13 | 1.9 | 13 | 14 | 1.8 | 3.2 | 3.9 | — | 22,926 | 22,926 | 0.54 | 1.3 | 0.78 | 23,260 |
| Mit. | 83 | 83 | 38 | 77 | 0.13 | 0.48 | 13 | 14 | 0.40 | 3.2 | 3.6 | — | 22,926 | 22,926 | 0.54 | 1.3 | 0.78 | 23,260 |
| % Reduced | 2% | 2% | 12% | -7% | — | 75% | — | 2% | 77% | — | 8% | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 28 | 27 | 22 | 46 | 0.08 | 0.67 | 8.5 | 9.0 | 0.59 | 2.1 | 2.5 | — | 15,060 | 15,060 | 0.33 | 0.98 | 8.5 | 15,370 |
| Mit. | 26 | 26 | 23 | 49 | 0.08 | 0.29 | 8.5 | 8.8 | 0.24 | 2.1 | 2.3 | — | 15,060 | 15,060 | 0.33 | 0.98 | 8.5 | 15,370 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % Reduced | 4% | 3% | -8% | -8% | — | 57% | — | 2% | 59% | — | 7% | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.1 | 4.9 | 3.9 | 8.3 | 0.01 | 0.12 | 1.6 | 1.6 | 0.11 | 0.38 | 0.45 | — | 2,493 | 2,493 | 0.05 | 0.16 | 1.4 | 2,545 |
| Mit. | 4.8 | 4.8 | 4.2 | 8.9 | 0.01 | 0.05 | 1.6 | 1.6 | 0.04 | 0.38 | 0.42 | — | 2,493 | 2,493 | 0.05 | 0.16 | 1.4 | 2,545 |
| % Reduced | 4% | 3% | -8% | -8% | — | 57% | — | 2% | 59% | — | 7% | — | — | — | — | — | — | — |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 5.0 | 4.2 | 26 | 65 | 0.11 | 0.64 | 11 | 12 | 0.54 | 2.7 | 3.3 | — | 20,491 | 20,491 | 0.40 | 1.1 | 30 | 20,844 |
| 2032 | 85 | 84 | 32 | 82 | 0.12 | 0.81 | 13 | 14 | 0.70 | 3.2 | 3.9 | — | 23,766 | 23,766 | 0.49 | 1.1 | 30 | 24,129 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 6.7 | 5.6 | 43 | 57 | 0.13 | 1.9 | 11 | 12 | 1.8 | 2.7 | 3.9 | — | 19,793 | 19,793 | 0.54 | 1.3 | 0.78 | 20,202 |
| 2032 | 85 | 84 | 33 | 72 | 0.12 | 0.81 | 13 | 14 | 0.70 | 3.2 | 3.9 | — | 22,926 | 22,926 | 0.51 | 1.1 | 0.77 | 23,260 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 3.8 | 3.2 | 22 | 41 | 0.08 | 0.67 | 7.1 | 7.7 | 0.59 | 1.8 | 2.4 | — | 13,267 | 13,267 | 0.32 | 0.78 | 7.3 | 13,514 |
| 2032 | 28 | 27 | 20 | 46 | 0.08 | 0.49 | 8.5 | 9.0 | 0.42 | 2.1 | 2.5 | — | 15,060 | 15,060 | 0.33 | 0.98 | 8.5 | 15,370 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 0.69 | 0.58 | 3.9 | 7.4 | 0.01 | 0.12 | 1.3 | 1.4 | 0.11 | 0.33 | 0.44 | — | 2,197 | 2,197 | 0.05 | 0.13 | 1.2 | 2,237 |
| 2032 | 5.1 | 4.9 | 3.7 | 8.3 | 0.01 | 0.09 | 1.6 | 1.6 | 0.08 | 0.38 | 0.45 | — | 2,493 | 2,493 | 0.05 | 0.16 | 1.4 | 2,545 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 3.6 | 3.1 | 29 | 70 | 0.11 | 0.35 | 11 | 12 | 0.29 | 2.7 | 3.0 | — | 20,491 | 20,491 | 0.40 | 1.1 | 30 | 20,844 |
| 2032 | 83 | 83 | 37 | 87 | 0.12 | 0.48 | 13 | 14 | 0.40 | 3.2 | 3.6 | — | 23,766 | 23,766 | 0.49 | 1.1 | 30 | 24,129 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 3.5 | 3.0 | 38 | 71 | 0.13 | 0.35 | 11 | 12 | 0.33 | 2.7 | 3.0 | — | 19,793 | 19,793 | 0.54 | 1.3 | 0.78 | 20,202 |
| 2032 | 83 | 83 | 38 | 77 | 0.12 | 0.48 | 13 | 14 | 0.40 | 3.2 | 3.6 | — | 22,926 | 22,926 | 0.51 | 1.1 | 0.77 | 23,260 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 2.2 | 1.9 | 22 | 46 | 0.08 | 0.25 | 7.1 | 7.3 | 0.21 | 1.8 | 2.0 | — | 13,267 | 13,267 | 0.32 | 0.78 | 7.3 | 13,514 |
| 2032 | 26 | 26 | 23 | 49 | 0.08 | 0.29 | 8.5 | 8.8 | 0.24 | 2.1 | 2.3 | — | 15,060 | 15,060 | 0.33 | 0.98 | 8.5 | 15,370 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 0.40 | 0.35 | 4.1 | 8.4 | 0.01 | 0.05 | 1.3 | 1.3 | 0.04 | 0.33 | 0.37 | — | 2,197 | 2,197 | 0.05 | 0.13 | 1.2 | 2,237 |
| 2032 | 4.8 | 4.8 | 4.2 | 8.9 | 0.01 | 0.05 | 1.6 | 1.6 | 0.04 | 0.38 | 0.42 | — | 2,493 | 2,493 | 0.05 | 0.16 | 1.4 | 2,545 |

# 3. Construction Emissions Details

## 3.1. Remedial Grading (2031) - 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 | 6.5 | 5.5 | 42 | 52 | 0.12 | 1.9 | — | 1.9 | 1.8 | — | 1.8 | — | 12,937 | 12,937 | 0.52 | 0.10 | — | 12,981 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 1.1 | 0.90 | 7.0 | 8.5 | 0.02 | 0.31 | — | 0.31 | 0.29 | — | 0.29 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.20 | 0.16 | 1.3 | 1.6 | < 0.005 | 0.06 | — | 0.06 | 0.05 | — | 0.05 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.11 | 0.10 | 0.09 | 1.3 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 407 | 407 | < 0.005 | 0.02 | 0.02 | 412 |
| Vendor | 0.03 | 0.02 | 0.84 | 0.28 | 0.01 | 0.01 | 0.27 | 0.28 | 0.01 | 0.07 | 0.08 | — | 820 | 820 | 0.01 | 0.12 | 0.04 | 857 |
| 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 | 0.02 | 0.02 | 0.02 | 0.23 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 68 | 68 | < 0.005 | < 0.005 | 0.07 | 69 |
| Vendor | 0.01 | < 0.005 | 0.14 | 0.05 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | < 0.005 | 0.02 | 0.10 | 141 |
| 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11 | 11 | < 0.005 | < 0.005 | 0.01 | 11 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 22 | 22 | < 0.005 | < 0.005 | 0.02 | 23 |
| 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 |

## 3.2. Remedial Grading (2031) - 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 | 1.6 | 1.6 | 37 | 69 | 0.12 | 0.33 | — | 0.33 | 0.32 | — | 0.32 | — | 12,937 | 12,937 | 0.52 | 0.10 | — | 12,981 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 0.26 | 0.26 | 6.1 | 11 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.05 | 1.1 | 2.1 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.11 | 0.10 | 0.09 | 1.3 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 407 | 407 | < 0.005 | 0.02 | 0.02 | 412 |
| Vendor | 0.03 | 0.02 | 0.84 | 0.28 | 0.01 | 0.01 | 0.27 | 0.28 | 0.01 | 0.07 | 0.08 | — | 820 | 820 | 0.01 | 0.12 | 0.04 | 857 |
| 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 | 0.02 | 0.02 | 0.02 | 0.23 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 68 | 68 | < 0.005 | < 0.005 | 0.07 | 69 |
| Vendor | 0.01 | < 0.005 | 0.14 | 0.05 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | < 0.005 | 0.02 | 0.10 | 141 |
| 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11 | 11 | < 0.005 | < 0.005 | 0.01 | 11 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 22 | 22 | < 0.005 | < 0.005 | 0.02 | 23 |
| 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 |

## 3.3. Building Construction (2031) - 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 | 2.4 | 2.0 | 18 | 28 | 0.05 | 0.53 | — | 0.53 | 0.49 | — | 0.49 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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-Roa Equipment | 2.4 | 2.0 | 18 | 28 | 0.05 | 0.53 | — | 0.53 | 0.49 | — | 0.49 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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-Roa d Equipm ent | 1.3 | 1.1 | 9.6 | 15 | 0.03 | 0.29 | — | 0.29 | 0.27 | — | 0.27 | — | 2,892 | 2,892 | 0.12 | 0.02 | — | 2,902 |
| 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-Roa d Equipm ent | 0.24 | 0.20 | 1.8 | 2.8 | 0.01 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 479 | 479 | 0.02 | < 0.005 | — | 480 |
| 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 | 2.4 | 2.1 | 1.8 | 35 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,837 | 8,837 | 0.08 | 0.05 | 19 | 8,871 |
| Vendor | 0.27 | 0.15 | 6.3 | 2.1 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,395 | 6,395 | 0.11 | 0.96 | 11 | 6,696 |
| 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 | 2.3 | 1.9 | 1.8 | 27 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,133 | 8,133 | 0.09 | 0.33 | 0.48 | 8,234 |
| Vendor | 0.26 | 0.14 | 6.6 | 2.2 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,401 | 6,401 | 0.11 | 0.96 | 0.29 | 6,691 |
| 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 | 1.2 | 1.1 | 1.2 | 15 | 0.00 | 0.00 | 5.0 | 5.0 | 0.00 | 1.2 | 1.2 | — | 4,528 | 4,528 | 0.05 | 0.18 | 4.4 | 4,588 |
| Vendor | 0.15 | 0.08 | 3.6 | 1.2 | 0.03 | 0.06 | 1.1 | 1.2 | 0.03 | 0.31 | 0.34 | — | 3,518 | 3,518 | 0.06 | 0.53 | 2.7 | 3,680 |
| 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 | 0.23 | 0.19 | 0.21 | 2.8 | 0.00 | 0.00 | 0.91 | 0.91 | 0.00 | 0.21 | 0.21 | — | 750 | 750 | 0.01 | 0.03 | 0.73 | 760 |
| Vendor | 0.03 | 0.01 | 0.66 | 0.22 | 0.01 | 0.01 | 0.21 | 0.22 | 0.01 | 0.06 | 0.06 | — | 582 | 582 | 0.01 | 0.09 | 0.45 | 609 |
| 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 |

## 3.4. Building Construction (2031) - 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.51 | 0.49 | 11 | 18 | 0.03 | 0.13 | — | 0.13 | 0.13 | — | 0.13 | — | 2,892 | 2,892 | 0.12 | 0.02 | — | 2,902 |
| 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 | 0.09 | 2.1 | 3.2 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 479 | 479 | 0.02 | < 0.005 | — | 480 |
| 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 | 2.4 | 2.1 | 1.8 | 35 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,837 | 8,837 | 0.08 | 0.05 | 19 | 8,871 |
| Vendor | 0.27 | 0.15 | 6.3 | 2.1 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,395 | 6,395 | 0.11 | 0.96 | 11 | 6,696 |
| 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 | 2.3 | 1.9 | 1.8 | 27 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,133 | 8,133 | 0.09 | 0.33 | 0.48 | 8,234 |
| Vendor | 0.26 | 0.14 | 6.6 | 2.2 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,401 | 6,401 | 0.11 | 0.96 | 0.29 | 6,691 |
| 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 | 1.2 | 1.1 | 1.2 | 15 | 0.00 | 0.00 | 5.0 | 5.0 | 0.00 | 1.2 | 1.2 | — | 4,528 | 4,528 | 0.05 | 0.18 | 4.4 | 4,588 |
| Vendor | 0.15 | 0.08 | 3.6 | 1.2 | 0.03 | 0.06 | 1.1 | 1.2 | 0.03 | 0.31 | 0.34 | — | 3,518 | 3,518 | 0.06 | 0.53 | 2.7 | 3,680 |
| 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 | 0.23 | 0.19 | 0.21 | 2.8 | 0.00 | 0.00 | 0.91 | 0.91 | 0.00 | 0.21 | 0.21 | — | 750 | 750 | 0.01 | 0.03 | 0.73 | 760 |
| Vendor | 0.03 | 0.01 | 0.66 | 0.22 | 0.01 | 0.01 | 0.21 | 0.22 | 0.01 | 0.06 | 0.06 | — | 582 | 582 | 0.01 | 0.09 | 0.45 | 609 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

## 3.5. Building Construction (2032) - 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 | 2.3 | 1.9 | 17 | 28 | 0.05 | 0.49 | — | 0.49 | 0.45 | — | 0.45 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 2.3 | 1.9 | 17 | 28 | 0.05 | 0.49 | — | 0.49 | 0.45 | — | 0.45 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 1.7 | 1.4 | 12 | 20 | 0.04 | 0.35 | — | 0.35 | 0.32 | — | 0.32 | — | 3,767 | 3,767 | 0.15 | 0.03 | — | 3,780 |
| 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 Equipm | 0.30 | 0.25 | 2.2 | 3.6 | 0.01 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 624 | 624 | 0.03 | 0.01 | — | 626 |
| 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 | 2.3 | 1.9 | 1.5 | 33 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,707 | 8,707 | 0.08 | 0.05 | 16 | 8,739 |
| Vendor | 0.27 | 0.15 | 6.0 | 2.1 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,184 | 6,184 | 0.11 | 0.96 | 9.7 | 6,483 |
| 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 | 2.2 | 1.9 | 1.8 | 25 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,015 | 8,015 | 0.09 | 0.05 | 0.42 | 8,031 |
| Vendor | 0.26 | 0.14 | 6.4 | 2.2 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,189 | 6,189 | 0.11 | 0.96 | 0.25 | 6,479 |
| 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 | 1.6 | 1.3 | 1.3 | 19 | 0.00 | 0.00 | 6.5 | 6.5 | 0.00 | 1.5 | 1.5 | — | 5,812 | 5,812 | 0.07 | 0.24 | 5.1 | 5,890 |
| Vendor | 0.19 | 0.10 | 4.6 | 1.5 | 0.04 | 0.08 | 1.5 | 1.5 | 0.04 | 0.41 | 0.44 | — | 4,431 | 4,431 | 0.08 | 0.69 | 3.0 | 4,641 |
| 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 | 0.28 | 0.24 | 0.23 | 3.5 | 0.00 | 0.00 | 1.2 | 1.2 | 0.00 | 0.28 | 0.28 | — | 962 | 962 | 0.01 | 0.04 | 0.84 | 975 |
| Vendor | 0.04 | 0.02 | 0.83 | 0.28 | 0.01 | 0.01 | 0.27 | 0.28 | 0.01 | 0.07 | 0.08 | — | 734 | 734 | 0.01 | 0.11 | 0.50 | 768 |
| 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 |

## 3.6. Building Construction (2032) - 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.66 | 0.64 | 15 | 23 | 0.04 | 0.17 | — | 0.17 | 0.17 | — | 0.17 | — | 3,767 | 3,767 | 0.15 | 0.03 | — | 3,780 |
| 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 | 0.12 | 0.12 | 2.7 | 4.2 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 624 | 624 | 0.03 | 0.01 | — | 626 |
| 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 | 2.3 | 1.9 | 1.5 | 33 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,707 | 8,707 | 0.08 | 0.05 | 16 | 8,739 |
| Vendor | 0.27 | 0.15 | 6.0 | 2.1 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,184 | 6,184 | 0.11 | 0.96 | 9.7 | 6,483 |
| 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 | 2.2 | 1.9 | 1.8 | 25 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,015 | 8,015 | 0.09 | 0.05 | 0.42 | 8,031 |
| Vendor | 0.26 | 0.14 | 6.4 | 2.2 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,189 | 6,189 | 0.11 | 0.96 | 0.25 | 6,479 |
| 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 | 1.6 | 1.3 | 1.3 | 19 | 0.00 | 0.00 | 6.5 | 6.5 | 0.00 | 1.5 | 1.5 | — | 5,812 | 5,812 | 0.07 | 0.24 | 5.1 | 5,890 |
| Vendor | 0.19 | 0.10 | 4.6 | 1.5 | 0.04 | 0.08 | 1.5 | 1.5 | 0.04 | 0.41 | 0.44 | — | 4,431 | 4,431 | 0.08 | 0.69 | 3.0 | 4,641 |
| 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 | 0.28 | 0.24 | 0.23 | 3.5 | 0.00 | 0.00 | 1.2 | 1.2 | 0.00 | 0.28 | 0.28 | — | 962 | 962 | 0.01 | 0.04 | 0.84 | 975 |
| Vendor | 0.04 | 0.02 | 0.83 | 0.28 | 0.01 | 0.01 | 0.27 | 0.28 | 0.01 | 0.07 | 0.08 | — | 734 | 734 | 0.01 | 0.11 | 0.50 | 768 |
| 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 |

## 3.7. Paving (2032) - 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 Equipm | 0.72 | 0.61 | 6.0 | 9.9 | 0.01 | 0.20 | — | 0.20 | 0.18 | — | 0.18 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.6 | 1.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.72 | 0.61 | 6.0 | 9.9 | 0.01 | 0.20 | — | 0.20 | 0.18 | — | 0.18 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.6 | 1.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.22 | 0.18 | 1.8 | 3.0 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 455 | 455 | 0.02 | < 0.005 | — | 457 |
| Paving | 0.48 | 0.48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.33 | 0.54 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 75 | 75 | < 0.005 | < 0.005 | — | 76 |
| Paving | 0.09 | 0.09 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.05 | 0.04 | 0.03 | 0.71 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 187 | 187 | < 0.005 | < 0.005 | 0.35 | 187 |
| 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 | 0.05 | 0.04 | 0.04 | 0.53 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 172 | 172 | < 0.005 | < 0.005 | 0.01 | 172 |
| 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 | 0.01 | 0.01 | 0.01 | 0.17 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 52 | 52 | < 0.005 | < 0.005 | 0.05 | 53 |
| 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 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.7 | 8.7 | < 0.005 | < 0.005 | 0.01 | 8.8 |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.8. Paving (2032) - 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 Equipm | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.6 | 1.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.6 | 1.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.07 | 0.07 | 2.2 | 3.2 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 455 | 455 | 0.02 | < 0.005 | — | 457 |
| Paving | 0.48 | 0.48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.40 | 0.58 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 75 | 75 | < 0.005 | < 0.005 | — | 76 |
| Paving | 0.09 | 0.09 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 0.04 | 0.03 | 0.71 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 187 | 187 | < 0.005 | < 0.005 | 0.35 | 187 |
| 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 | 0.05 | 0.04 | 0.04 | 0.53 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 172 | 172 | < 0.005 | < 0.005 | 0.01 | 172 |
| 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 | 0.01 | 0.01 | 0.01 | 0.17 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 52 | 52 | < 0.005 | < 0.005 | 0.05 | 53 |
| 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 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.7 | 8.7 | < 0.005 | < 0.005 | 0.01 | 8.8 |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.9. Architectural Coating (2032) - 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 Equipm | 0.15 | 0.12 | 1.0 | 1.5 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 78 | 78 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.12 | 1.0 | 1.5 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 78 | 78 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 0.04 | 0.31 | 0.44 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 54 | 54 | < 0.005 | < 0.005 | — | 54 |
| Architectural Coatings | 23 | 23 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.06 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | — | 8.9 |
| Architectural Coatings | 4.3 | 4.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.45 | 0.39 | 0.30 | 6.6 | 0.00 | 0.00 | 1.8 | 1.8 | 0.00 | 0.43 | 0.43 | — | 1,741 | 1,741 | 0.02 | 0.01 | 3.3 | 1,748 |
| 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 | 0.44 | 0.37 | 0.36 | 5.0 | 0.00 | 0.00 | 1.8 | 1.8 | 0.00 | 0.43 | 0.43 | — | 1,603 | 1,603 | 0.02 | 0.01 | 0.08 | 1,606 |
| 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 | 0.13 | 0.11 | 0.11 | 1.6 | 0.00 | 0.00 | 0.54 | 0.54 | 0.00 | 0.13 | 0.13 | — | 489 | 489 | 0.01 | 0.02 | 0.43 | 496 |
| 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 | 0.02 | 0.02 | 0.02 | 0.29 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 81 | 81 | < 0.005 | < 0.005 | 0.07 | 82 |
| 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 |

## 3.10. Architectural Coating (2032) - 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 78 | 78 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 78 | 78 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.01 | 0.43 | 0.39 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 54 | 54 | < 0.005 | < 0.005 | — | 54 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architect Coatings | 23 | 23 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.08 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | — | 8.9 |
| Architectural Coatings | 4.3 | 4.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.45 | 0.39 | 0.30 | 6.6 | 0.00 | 0.00 | 1.8 | 1.8 | 0.00 | 0.43 | 0.43 | — | 1,741 | 1,741 | 0.02 | 0.01 | 3.3 | 1,748 |
| 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 | 0.44 | 0.37 | 0.36 | 5.0 | 0.00 | 0.00 | 1.8 | 1.8 | 0.00 | 0.43 | 0.43 | — | 1,603 | 1,603 | 0.02 | 0.01 | 0.08 | 1,606 |
| 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 | 0.13 | 0.11 | 0.11 | 1.6 | 0.00 | 0.00 | 0.54 | 0.54 | 0.00 | 0.13 | 0.13 | — | 489 | 489 | 0.01 | 0.02 | 0.43 | 496 |
| 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 | 0.02 | 0.02 | 0.02 | 0.29 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 81 | 81 | < 0.005 | < 0.005 | 0.07 | 82 |
| 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

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|
| Remedial Grading | Grading | 1/1/2031 | 3/25/2031 | 5.0 | 60 | — |
| Building Construction | Building Construction | 3/26/2031 | 12/31/2032 | 5.0 | 463 | — |
| Paving | Paving | 7/31/2032 | 12/31/2032 | 5.0 | 110 | — |
| Architectural Coating | Architectural Coating | 7/31/2032 | 12/31/2032 | 5.0 | 110 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Average | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Average | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Average | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Average | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Average | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Average | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Average | 2.0 | 8.0 | 367 | 0.29 |
| Building Construction | Welders | Diesel | Average | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Average | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Average | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Average | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 8.0 | 37 | 0.48 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Tier 4 Interim | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Tier 4 Interim | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Tier 4 Interim | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Tier 4 Interim | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.29 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Welders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Tier 4 Interim | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Tier 4 Interim | 1.00 | 8.0 | 37 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 31 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 700 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 242 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 140 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 31 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 700 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 242 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 140 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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) |
|---|---|---|---|---|---|
| Architectural Coating | 0.00 | 0.00 | 2,499,458 | 833,153 | 174,319 |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Remedial Grading | — | — | 450 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 67 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

## 5.7. Construction Paving

| Phase Name | Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|---|
| Paving | Unrefrigerated Warehouse-No Rail | 0.00 | 0% |
| Paving | Parking Lot | 18 | 100% |
| Paving | Other Asphalt Surfaces | 49 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2031 | 0.00 | 532 | 0.03 | < 0.005 |
| 2032 | 0.00 | 532 | 0.03 | < 0.005 |

## 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 | 31 | annual days of extreme heat |
| Extreme Precipitation | 5.3 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 98 |
| AQ-PM | 37 |
| AQ-DPM | 2.9 |
| Drinking Water | 59 |
| Lead Risk Housing | 0.37 |

| | |
|---|---|
| Pesticides | 24 |
| Toxic Releases | 25 |
| Traffic | 81 |
| Effect Indicators | — |
| CleanUp Sites | 17 |
| Groundwater | 60 |
| Haz Waste Facilities/Generators | 68 |
| Impaired Water Bodies | 12 |
| Solid Waste | 95 |
| Sensitive Population | — |
| Asthma | 82 |
| Cardio-vascular | 93 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 20 |
| Housing | 30 |
| Linguistic | 9.5 |
| Poverty | 30 |
| Unemployment | 94 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |

| | |
|---|---|
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |

| | |
|---|---|
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67 |
| Healthy Places Index Score for Project Location (b) | 33 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Construction: Construction Phases | Construction schedule based on data provided by the applicant. |

| | |
|---|---|
| Construction: Off-Road Equipment | Crawler tractors assumed during grading in lieu of tractors/loaders/backhoes in order to account for fugitive dust. All equipment assumed to operate 8 hours per day. |
| Construction: Trips and VMT | Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Remedial Grading and Building Construction. |
| Construction: Architectural Coatings | Rule 1113 limits |

# 15718 Beaumont Heights Construction Ph1 Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Remedial Grading (2027) - Unmitigated

3.2. Remedial Grading (2027) - Mitigated

3.3. Building Construction (2027) - Unmitigated

3.4. Building Construction (2027) - Mitigated

3.5. Paving (2027) - Unmitigated

3.6. Paving (2027) - Mitigated

3.7. Architectural Coating (2027) - Unmitigated

3.8. Architectural Coating (2027) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Construction Ph1 |
| Construction Start Date | 6/2/2026 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.5 |
| Precipitation (days) | 19 |
| Location | 33.910963943172064, -116.97694984715945 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.35 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 642 | 1000sqft | 15 | 641,622 | 0.00 | — | — | — |
| Parking Lot | 822 | Space | 7.4 | 0.00 | 0.00 | — | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 30 | Acre | 30 | 0.00 | 0.00 | — | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Construction | C-5 | Use Advanced Engine Tiers |
| Construction | C-13 | Use Low-VOC Paints for Construction |

## 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. | 52 | 51 | 54 | 63 | 0.13 | 2.4 | 5.9 | 8.3 | 2.2 | 2.1 | 4.3 | — | 14,153 | 14,153 | 0.55 | 0.57 | 20 | 14,239 |
| Mit. | 18 | 18 | 38 | 71 | 0.13 | 0.41 | 5.9 | 6.2 | 0.39 | 2.1 | 2.4 | — | 14,153 | 14,153 | 0.55 | 0.57 | 20 | 14,239 |
| % Reduced | 66% | 65% | 29% | -14% | — | 83% | — | 25% | 82% | — | 43% | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 52 | 51 | 54 | 57 | 0.13 | 2.4 | 5.9 | 8.3 | 2.2 | 2.1 | 4.3 | — | 14,115 | 14,115 | 0.55 | 0.57 | 0.53 | 14,198 |
| Mit. | 18 | 18 | 38 | 71 | 0.13 | 0.41 | 5.9 | 6.2 | 0.39 | 2.1 | 2.4 | — | 14,115 | 14,115 | 0.55 | 0.57 | 0.53 | 14,198 |
| % Reduced | 66% | 66% | 29% | -24% | — | 83% | — | 25% | 82% | — | 43% | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 13 | 13 | 23 | 35 | 0.06 | 0.87 | 3.4 | 4.2 | 0.80 | 0.92 | 1.7 | — | 8,735 | 8,735 | 0.28 | 0.33 | 4.5 | 8,844 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mit. | 4.7 | 4.6 | 21 | 40 | 0.06 | 0.23 | 3.4 | 3.6 | 0.22 | 0.92 | 1.1 | — | 8,735 | 8,735 | 0.28 | 0.33 | 4.5 | 8,844 |
| % Reduced | 65% | 64% | 10% | -14% | — | 73% | — | 15% | 72% | — | 33% | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 2.4 | 2.3 | 4.3 | 6.4 | 0.01 | 0.16 | 0.61 | 0.77 | 0.15 | 0.17 | 0.31 | — | 1,446 | 1,446 | 0.05 | 0.05 | 0.74 | 1,464 |
| Mit. | 0.86 | 0.83 | 3.9 | 7.3 | 0.01 | 0.04 | 0.61 | 0.66 | 0.04 | 0.17 | 0.21 | — | 1,446 | 1,446 | 0.05 | 0.05 | 0.74 | 1,464 |
| % Reduced | 65% | 64% | 10% | -14% | — | 73% | — | 15% | 72% | — | 33% | — | — | — | — | — | — | — |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 52 | 51 | 54 | 63 | 0.13 | 2.4 | 5.9 | 8.3 | 2.2 | 2.1 | 4.3 | — | 14,153 | 14,153 | 0.55 | 0.57 | 20 | 14,239 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 52 | 51 | 54 | 57 | 0.13 | 2.4 | 5.9 | 8.3 | 2.2 | 2.1 | 4.3 | — | 14,115 | 14,115 | 0.55 | 0.57 | 0.53 | 14,198 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 13 | 13 | 23 | 35 | 0.06 | 0.87 | 3.4 | 4.2 | 0.80 | 0.92 | 1.7 | — | 8,735 | 8,735 | 0.28 | 0.33 | 4.5 | 8,844 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 2.4 | 2.3 | 4.3 | 6.4 | 0.01 | 0.16 | 0.61 | 0.77 | 0.15 | 0.17 | 0.31 | — | 1,446 | 1,446 | 0.05 | 0.05 | 0.74 | 1,464 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 18 | 18 | 38 | 71 | 0.13 | 0.41 | 5.9 | 6.2 | 0.39 | 2.1 | 2.4 | — | 14,153 | 14,153 | 0.55 | 0.57 | 20 | 14,239 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 18 | 18 | 38 | 71 | 0.13 | 0.41 | 5.9 | 6.2 | 0.39 | 2.1 | 2.4 | — | 14,115 | 14,115 | 0.55 | 0.57 | 0.53 | 14,198 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 4.7 | 4.6 | 21 | 40 | 0.06 | 0.23 | 3.4 | 3.6 | 0.22 | 0.92 | 1.1 | — | 8,735 | 8,735 | 0.28 | 0.33 | 4.5 | 8,844 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2027 | 0.86 | 0.83 | 3.9 | 7.3 | 0.01 | 0.04 | 0.61 | 0.66 | 0.04 | 0.17 | 0.21 | — | 1,446 | 1,446 | 0.05 | 0.05 | 0.74 | 1,464 |

# 3. Construction Emissions Details

## 3.1. Remedial Grading (2027) - 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 | 7.3 | 6.1 | 53 | 53 | 0.12 | 2.4 | — | 2.4 | 2.2 | — | 2.2 | — | 12,940 | 12,940 | 0.52 | 0.10 | — | 12,985 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 7.3 | 6.1 | 53 | 53 | 0.12 | 2.4 | — | 2.4 | 2.2 | — | 2.2 | — | 12,940 | 12,940 | 0.52 | 0.10 | — | 12,985 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 1.2 | 1.0 | 8.7 | 8.7 | 0.02 | 0.39 | — | 0.39 | 0.36 | — | 0.36 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.22 | 0.18 | 1.6 | 1.6 | < 0.005 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.16 | 0.14 | 0.12 | 2.3 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 474 | 474 | 0.01 | 0.02 | 1.5 | 480 |
| Vendor | 0.03 | 0.02 | 0.77 | 0.24 | 0.01 | 0.01 | 0.21 | 0.23 | 0.01 | 0.06 | 0.07 | — | 739 | 739 | 0.02 | 0.11 | 1.9 | 774 |
| 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 | 0.15 | 0.13 | 0.14 | 1.8 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 436 | 436 | 0.01 | 0.02 | 0.04 | 441 |
| Vendor | 0.03 | 0.01 | 0.81 | 0.25 | 0.01 | 0.01 | 0.21 | 0.23 | 0.01 | 0.06 | 0.07 | — | 739 | 739 | 0.02 | 0.11 | 0.05 | 773 |
| 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 | 0.02 | 0.02 | 0.02 | 0.30 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 73 | 73 | < 0.005 | < 0.005 | 0.10 | 73 |
| Vendor | 0.01 | < 0.005 | 0.13 | 0.04 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 121 | 121 | < 0.005 | 0.02 | 0.13 | 127 |
| 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 | 0.06 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12 | 12 | < 0.005 | < 0.005 | 0.02 | 12 |
| Vendor | < 0.005 | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 20 | 20 | < 0.005 | < 0.005 | 0.02 | 21 |
| 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 |

## 3.2. Remedial Grading (2027) - 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 Equipm | 1.6 | 1.6 | 37 | 69 | 0.12 | 0.33 | — | 0.33 | 0.32 | — | 0.32 | — | 12,940 | 12,940 | 0.52 | 0.10 | — | 12,985 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 1.6 | 1.6 | 37 | 69 | 0.12 | 0.33 | — | 0.33 | 0.32 | — | 0.32 | — | 12,940 | 12,940 | 0.52 | 0.10 | — | 12,985 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 0.26 | 0.26 | 6.1 | 11 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.05 | 1.1 | 2.1 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.16 | 0.14 | 0.12 | 2.3 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 474 | 474 | 0.01 | 0.02 | 1.5 | 480 |
| Vendor | 0.03 | 0.02 | 0.77 | 0.24 | 0.01 | 0.01 | 0.21 | 0.23 | 0.01 | 0.06 | 0.07 | — | 739 | 739 | 0.02 | 0.11 | 1.9 | 774 |
| 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 | 0.15 | 0.13 | 0.14 | 1.8 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 436 | 436 | 0.01 | 0.02 | 0.04 | 441 |
| Vendor | 0.03 | 0.01 | 0.81 | 0.25 | 0.01 | 0.01 | 0.21 | 0.23 | 0.01 | 0.06 | 0.07 | — | 739 | 739 | 0.02 | 0.11 | 0.05 | 773 |
| 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 | 0.02 | 0.02 | 0.02 | 0.30 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 73 | 73 | < 0.005 | < 0.005 | 0.10 | 73 |
| Vendor | 0.01 | < 0.005 | 0.13 | 0.04 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 121 | 121 | < 0.005 | 0.02 | 0.13 | 127 |
| 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 | 0.06 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12 | 12 | < 0.005 | < 0.005 | 0.02 | 12 |
| Vendor | < 0.005 | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 20 | 20 | < 0.005 | < 0.005 | 0.02 | 21 |
| 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 |

## 3.3. Building Construction (2027) - 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 | 2.7 | 2.2 | 20 | 28 | 0.05 | 0.73 | — | 0.73 | 0.67 | — | 0.67 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 2.7 | 2.2 | 20 | 28 | 0.05 | 0.73 | — | 0.73 | 0.67 | — | 0.67 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 1.4 | 1.2 | 11 | 15 | 0.03 | 0.39 | — | 0.39 | 0.36 | — | 0.36 | — | 2,810 | 2,810 | 0.11 | 0.02 | — | 2,819 |
| 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 | 0.26 | 0.22 | 2.0 | 2.7 | < 0.005 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 465 | 465 | 0.02 | < 0.005 | — | 467 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 1.2 | 1.1 | 0.94 | 18 | 0.00 | 0.00 | 3.5 | 3.5 | 0.00 | 0.83 | 0.83 | — | 3,648 | 3,648 | 0.04 | 0.13 | 11 | 3,698 |
| Vendor | 0.11 | 0.05 | 2.5 | 0.78 | 0.02 | 0.04 | 0.68 | 0.72 | 0.04 | 0.19 | 0.23 | — | 2,364 | 2,364 | 0.06 | 0.35 | 6.0 | 2,477 |
| 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 | 1.2 | 1.0 | 1.1 | 14 | 0.00 | 0.00 | 3.5 | 3.5 | 0.00 | 0.83 | 0.83 | — | 3,355 | 3,355 | 0.05 | 0.13 | 0.29 | 3,394 |
| Vendor | 0.11 | 0.05 | 2.6 | 0.80 | 0.02 | 0.04 | 0.68 | 0.72 | 0.04 | 0.19 | 0.23 | — | 2,366 | 2,366 | 0.05 | 0.35 | 0.16 | 2,473 |
| 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 | 0.62 | 0.55 | 0.62 | 7.6 | 0.00 | 0.00 | 1.9 | 1.9 | 0.00 | 0.44 | 0.44 | — | 1,815 | 1,815 | 0.03 | 0.07 | 2.6 | 1,839 |
| Vendor | 0.06 | 0.03 | 1.4 | 0.42 | 0.01 | 0.02 | 0.36 | 0.38 | 0.02 | 0.10 | 0.12 | — | 1,263 | 1,263 | 0.03 | 0.19 | 1.4 | 1,322 |
| 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 | 0.11 | 0.10 | 0.11 | 1.4 | 0.00 | 0.00 | 0.34 | 0.34 | 0.00 | 0.08 | 0.08 | — | 300 | 300 | < 0.005 | 0.01 | 0.43 | 304 |
| Vendor | 0.01 | < 0.005 | 0.25 | 0.08 | < 0.005 | < 0.005 | 0.07 | 0.07 | < 0.005 | 0.02 | 0.02 | — | 209 | 209 | < 0.005 | 0.03 | 0.23 | 219 |
| 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 |

## 3.4. Building Construction (2027) - 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.50 | 0.48 | 11 | 17 | 0.03 | 0.13 | — | 0.13 | 0.12 | — | 0.12 | — | 2,810 | 2,810 | 0.11 | 0.02 | — | 2,819 |
| 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 | 0.09 | 2.0 | 3.2 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 465 | 465 | 0.02 | < 0.005 | — | 467 |
| 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 | 1.2 | 1.1 | 0.94 | 18 | 0.00 | 0.00 | 3.5 | 3.5 | 0.00 | 0.83 | 0.83 | — | 3,648 | 3,648 | 0.04 | 0.13 | 11 | 3,698 |
| Vendor | 0.11 | 0.05 | 2.5 | 0.78 | 0.02 | 0.04 | 0.68 | 0.72 | 0.04 | 0.19 | 0.23 | — | 2,364 | 2,364 | 0.06 | 0.35 | 6.0 | 2,477 |
| 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 | 1.2 | 1.0 | 1.1 | 14 | 0.00 | 0.00 | 3.5 | 3.5 | 0.00 | 0.83 | 0.83 | — | 3,355 | 3,355 | 0.05 | 0.13 | 0.29 | 3,394 |
| Vendor | 0.11 | 0.05 | 2.6 | 0.80 | 0.02 | 0.04 | 0.68 | 0.72 | 0.04 | 0.19 | 0.23 | — | 2,366 | 2,366 | 0.05 | 0.35 | 0.16 | 2,473 |
| 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 | 0.62 | 0.55 | 0.62 | 7.6 | 0.00 | 0.00 | 1.9 | 1.9 | 0.00 | 0.44 | 0.44 | — | 1,815 | 1,815 | 0.03 | 0.07 | 2.6 | 1,839 |
| Vendor | 0.06 | 0.03 | 1.4 | 0.42 | 0.01 | 0.02 | 0.36 | 0.38 | 0.02 | 0.10 | 0.12 | — | 1,263 | 1,263 | 0.03 | 0.19 | 1.4 | 1,322 |
| 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 | 0.11 | 0.10 | 0.11 | 1.4 | 0.00 | 0.00 | 0.34 | 0.34 | 0.00 | 0.08 | 0.08 | — | 300 | 300 | < 0.005 | 0.01 | 0.43 | 304 |
| Vendor | 0.01 | < 0.005 | 0.25 | 0.08 | < 0.005 | < 0.005 | 0.07 | 0.07 | < 0.005 | 0.02 | 0.02 | — | 209 | 209 | < 0.005 | 0.03 | 0.23 | 219 |
| 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 |

## 3.5. Paving (2027) - 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 | 6.9 | 10.0 | 0.01 | 0.30 | — | 0.30 | 0.27 | — | 0.27 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.3 | 1.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.88 | 0.74 | 6.9 | 10.0 | 0.01 | 0.30 | — | 0.30 | 0.27 | — | 0.27 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.3 | 1.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.18 | 0.15 | 1.4 | 2.0 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 311 | 311 | 0.01 | < 0.005 | — | 312 |
| Paving | 0.27 | 0.27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.03 | 0.26 | 0.37 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 51 | 51 | < 0.005 | < 0.005 | — | 52 |
| Paving | 0.05 | 0.05 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 1.00 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 203 | 203 | < 0.005 | 0.01 | 0.63 | 206 |
| 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 | 0.06 | 0.06 | 0.06 | 0.75 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 187 | 187 | < 0.005 | 0.01 | 0.02 | 189 |
| 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 | 0.01 | 0.01 | 0.01 | 0.16 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 39 | 39 | < 0.005 | < 0.005 | 0.06 | 39 |
| 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 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.4 | 6.4 | < 0.005 | < 0.005 | 0.01 | 6.5 |
| 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 |

## 3.6. Paving (2027) - 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 | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.3 | 1.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.3 | 1.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.05 | 1.5 | 2.2 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 311 | 311 | 0.01 | < 0.005 | — | 312 |
| Paving | 0.27 | 0.27 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.27 | 0.40 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 51 | 51 | < 0.005 | < 0.005 | — | 52 |
| Paving | 0.05 | 0.05 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 1.00 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 203 | 203 | < 0.005 | 0.01 | 0.63 | 206 |
| 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.06 | 0.06 | 0.75 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 187 | 187 | < 0.005 | 0.01 | 0.02 | 189 |
| 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 | 0.01 | 0.01 | 0.01 | 0.16 | 0.00 | 0.00 | 0.04 | 0.04 | 0.00 | 0.01 | 0.01 | — | 39 | 39 | < 0.005 | < 0.005 | 0.06 | 39 |
| 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 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 6.4 | 6.4 | < 0.005 | < 0.005 | 0.01 | 6.5 |
| 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 |

## 3.7. Architectural Coating (2027) - 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 | 0.18 | 0.15 | 1.1 | 1.5 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 46 | 46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.18 | 0.15 | 1.1 | 1.5 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 46 | 46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.04 | 0.03 | 0.23 | 0.31 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 37 | 37 | < 0.005 | < 0.005 | — | 37 |
| Architectural Coatings | 9.4 | 9.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.01 | 0.04 | 0.06 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 6.1 | 6.1 | < 0.005 | < 0.005 | — | 6.1 |
| Architectural Coatings | 1.7 | 1.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.24 | 0.22 | 0.19 | 3.6 | 0.00 | 0.00 | 0.70 | 0.70 | 0.00 | 0.17 | 0.17 | — | 730 | 730 | 0.01 | 0.03 | 2.3 | 740 |
| 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 | 0.23 | 0.20 | 0.21 | 2.7 | 0.00 | 0.00 | 0.70 | 0.70 | 0.00 | 0.17 | 0.17 | — | 671 | 671 | 0.01 | 0.03 | 0.06 | 679 |
| 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 | 0.05 | 0.04 | 0.05 | 0.58 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 140 | 140 | < 0.005 | 0.01 | 0.20 | 141 |
| 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 | 0.01 | 0.01 | 0.01 | 0.11 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 23 | 23 | < 0.005 | < 0.005 | 0.03 | 23 |
| 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 |

## 3.8. Architectural Coating (2027) - 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 14 | 14 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 14 | 14 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.01 | 0.29 | 0.26 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 37 | 37 | < 0.005 | < 0.005 | — | 37 |
| Architectural Coatings | 2.9 | 2.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 0.05 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 6.1 | 6.1 | < 0.005 | < 0.005 | — | 6.1 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architect Coatings | 0.52 | 0.52 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.24 | 0.22 | 0.19 | 3.6 | 0.00 | 0.00 | 0.70 | 0.70 | 0.00 | 0.17 | 0.17 | — | 730 | 730 | 0.01 | 0.03 | 2.3 | 740 |
| 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 | 0.23 | 0.20 | 0.21 | 2.7 | 0.00 | 0.00 | 0.70 | 0.70 | 0.00 | 0.17 | 0.17 | — | 671 | 671 | 0.01 | 0.03 | 0.06 | 679 |
| 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 | 0.05 | 0.04 | 0.05 | 0.58 | 0.00 | 0.00 | 0.14 | 0.14 | 0.00 | 0.03 | 0.03 | — | 140 | 140 | < 0.005 | 0.01 | 0.20 | 141 |
| 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 | 0.01 | 0.01 | 0.01 | 0.11 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 23 | 23 | < 0.005 | < 0.005 | 0.03 | 23 |
| 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

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Remove | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
|---|---|---|---|---|---|---|
| Remedial Grading | Grading | 1/9/2027 | 4/2/2027 | 5.0 | 60 | — |
| Building Construction | Building Construction | 4/3/2027 | 12/31/2027 | 5.0 | 195 | — |
| Paving | Paving | 9/20/2027 | 12/31/2027 | 5.0 | 75 | — |
| Architectural Coating | Architectural Coating | 9/20/2027 | 12/31/2027 | 5.0 | 75 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Average | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Average | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Average | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Average | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Average | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Average | 6.0 | 8.0 | 82 | 0.20 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Average | 2.0 | 8.0 | 367 | 0.29 |
| Building Construction | Welders | Diesel | Average | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Average | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Average | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Average | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 8.0 | 37 | 0.48 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Tier 4 Interim | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Tier 4 Interim | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Tier 4 Interim | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Tier 4 Interim | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.29 |
| Building Construction | Welders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Tier 4 Interim | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Tier 4 Interim | 1.00 | 8.0 | 37 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 25 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 269 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 80 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 54 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 25 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 269 | 19 | LDA,LDT1,LDT2 |

| | | | | |
|---|---|---|---|---|
| Building Construction | Vendor | 80 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 54 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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) |
|---|---|---|---|---|---|
| Architectural Coating | 0.00 | 0.00 | 962,433 | 320,811 | 96,803 |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Remedial Grading | — | — | 450 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 37 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

## 5.7. Construction Paving

| Phase Name | Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|---|
| Paving | Unrefrigerated Warehouse-No Rail | 0.00 | 0% |
| Paving | Parking Lot | 7.4 | 100% |
| Paving | Other Asphalt Surfaces | 30 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2027 | 0.00 | 532 | 0.03 | < 0.005 |

## 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 | 31 | annual days of extreme heat |
| Extreme Precipitation | 5.3 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 98 |
| AQ-PM | 37 |
| AQ-DPM | 2.9 |
| Drinking Water | 59 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24 |
| Toxic Releases | 25 |
| Traffic | 81 |
| Effect Indicators | — |
| CleanUp Sites | 17 |
| Groundwater | 60 |
| Haz Waste Facilities/Generators | 68 |
| Impaired Water Bodies | 12 |
| Solid Waste | 95 |

| | |
|---|---|
| Sensitive Population | — |
| Asthma | 82 |
| Cardio-vascular | 93 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 20 |
| Housing | 30 |
| Linguistic | 9.5 |
| Poverty | 30 |
| Unemployment | 94 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |

| | |
|---|---|
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67 |

| | |
|---|---|
| Healthy Places Index Score for Project Location (b) | 33 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Construction: Construction Phases | Construction schedule based on data provided by the applicant. |
| Construction: Off-Road Equipment | Crawler tractors assumed during grading in lieu of tractors/loaders/backhoes in order to account for fugitive dust. All equipment assumed to operate 8 hours per day. |
| Construction: Trips and VMT | Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Remedial Grading and Building Construction. |
| Construction: Architectural Coatings | Rule 1113 limits |

# 15718 Beaumont Heights Construction Ph2 Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Remedial Grading (2028) - Unmitigated

3.2. Remedial Grading (2028) - Mitigated

3.3. Building Construction (2028) - Unmitigated

3.4. Building Construction (2028) - Mitigated

3.5. Building Construction (2029) - Unmitigated

3.6. Building Construction (2029) - Mitigated

3.7. Paving (2029) - Unmitigated

3.8. Paving (2029) - Mitigated

3.9. Architectural Coating (2029) - Unmitigated

3.10. Architectural Coating (2029) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Construction Ph2 |
| Construction Start Date | 6/2/2026 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.5 |
| Precipitation (days) | 19 |
| Location | 33.910963943172064, -116.97694984715945 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.35 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,386 | 1000sqft | 32 | 1,386,044 | 0.00 | — | — | — |
| Parking Lot | 1,502 | Space | 14 | 0.00 | 0.00 | — | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 44 | Acre | 44 | 0.00 | 0.00 | — | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Construction | C-5 | Use Advanced Engine Tiers |
| Construction | C-13 | Use Low-VOC Paints for Construction |

## 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. | 73 | 72 | 34 | 82 | 0.11 | 0.94 | 11 | 12 | 0.87 | 2.6 | 3.5 | — | 21,714 | 21,714 | 0.47 | 1.2 | 36 | 22,123 |
| Mit. | 23 | 23 | 37 | 87 | 0.11 | 0.46 | 11 | 11 | 0.44 | 2.6 | 3.1 | — | 21,714 | 21,714 | 0.47 | 1.2 | 36 | 22,123 |
| % Reduced | 68% | 68% | -9% | -6% | — | 51% | — | 4% | 50% | — | 12% | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 72 | 71 | 51 | 72 | 0.13 | 2.2 | 11 | 12 | 2.1 | 2.6 | 4.2 | — | 20,975 | 20,975 | 0.55 | 1.2 | 0.93 | 21,348 |
| Mit. | 23 | 23 | 38 | 77 | 0.13 | 0.46 | 11 | 11 | 0.44 | 2.6 | 3.1 | — | 20,975 | 20,975 | 0.55 | 1.2 | 0.93 | 21,348 |
| % Reduced | 68% | 68% | 25% | -7% | — | 79% | — | 4% | 79% | — | 26% | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 22 | 22 | 24 | 41 | 0.07 | 0.77 | 6.0 | 6.8 | 0.72 | 1.6 | 2.3 | — | 12,326 | 12,326 | 0.31 | 0.69 | 8.6 | 12,549 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mit. | 7.4 | 7.2 | 22 | 46 | 0.07 | 0.24 | 6.0 | 6.3 | 0.23 | 1.6 | 1.8 | — | 12,326 | 12,326 | 0.31 | 0.69 | 8.6 | 12,549 |
| % Reduced | 67% | 67% | 6% | -12% | — | 69% | — | 8% | 68% | — | 21% | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 4.1 | 4.0 | 4.3 | 7.6 | 0.01 | 0.14 | 1.1 | 1.2 | 0.13 | 0.29 | 0.42 | — | 2,041 | 2,041 | 0.05 | 0.11 | 1.4 | 2,078 |
| Mit. | 1.4 | 1.3 | 4.1 | 8.5 | 0.01 | 0.04 | 1.1 | 1.1 | 0.04 | 0.29 | 0.33 | — | 2,041 | 2,041 | 0.05 | 0.11 | 1.4 | 2,078 |
| % Reduced | 67% | 67% | 6% | -12% | — | 69% | — | 8% | 68% | — | 21% | — | — | — | — | — | — | — |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 5.4 | 4.5 | 27 | 66 | 0.09 | 0.74 | 9.3 | 10 | 0.69 | 2.2 | 2.9 | — | 18,596 | 18,596 | 0.39 | 1.2 | 35 | 18,992 |
| 2029 | 73 | 72 | 34 | 82 | 0.11 | 0.94 | 11 | 12 | 0.87 | 2.6 | 3.5 | — | 21,714 | 21,714 | 0.47 | 1.2 | 36 | 22,123 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 7.3 | 6.1 | 51 | 57 | 0.13 | 2.2 | 9.3 | 10 | 2.1 | 2.2 | 4.2 | — | 17,981 | 17,981 | 0.55 | 1.2 | 0.91 | 18,343 |
| 2029 | 72 | 71 | 34 | 72 | 0.11 | 0.94 | 11 | 12 | 0.87 | 2.6 | 3.5 | — | 20,975 | 20,975 | 0.48 | 1.2 | 0.93 | 21,348 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 3.9 | 3.4 | 24 | 41 | 0.07 | 0.77 | 6.0 | 6.8 | 0.72 | 1.6 | 2.3 | — | 12,326 | 12,326 | 0.31 | 0.69 | 8.6 | 12,549 |
| 2029 | 22 | 22 | 13 | 29 | 0.04 | 0.36 | 4.3 | 4.7 | 0.34 | 1.0 | 1.4 | — | 8,372 | 8,372 | 0.19 | 0.49 | 6.2 | 8,530 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 0.72 | 0.62 | 4.3 | 7.6 | 0.01 | 0.14 | 1.1 | 1.2 | 0.13 | 0.29 | 0.42 | — | 2,041 | 2,041 | 0.05 | 0.11 | 1.4 | 2,078 |
| 2029 | 4.1 | 4.0 | 2.4 | 5.2 | 0.01 | 0.07 | 0.79 | 0.85 | 0.06 | 0.19 | 0.25 | — | 1,386 | 1,386 | 0.03 | 0.08 | 1.0 | 1,412 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 3.7 | 3.3 | 28 | 70 | 0.09 | 0.33 | 9.3 | 9.6 | 0.32 | 2.2 | 2.6 | — | 18,596 | 18,596 | 0.39 | 1.2 | 35 | 18,992 |
| 2029 | 23 | 23 | 37 | 87 | 0.11 | 0.46 | 11 | 11 | 0.44 | 2.6 | 3.1 | — | 21,714 | 21,714 | 0.47 | 1.2 | 36 | 22,123 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 3.4 | 3.1 | 38 | 71 | 0.13 | 0.35 | 9.3 | 9.6 | 0.34 | 2.2 | 2.6 | — | 17,981 | 17,981 | 0.55 | 1.2 | 0.91 | 18,343 |
| 2029 | 23 | 23 | 37 | 77 | 0.11 | 0.46 | 11 | 11 | 0.44 | 2.6 | 3.1 | — | 20,975 | 20,975 | 0.48 | 1.2 | 0.93 | 21,348 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 2.1 | 2.0 | 22 | 46 | 0.07 | 0.24 | 6.0 | 6.3 | 0.23 | 1.6 | 1.8 | — | 12,326 | 12,326 | 0.31 | 0.69 | 8.6 | 12,549 |
| 2029 | 7.4 | 7.2 | 14 | 31 | 0.04 | 0.18 | 4.3 | 4.5 | 0.17 | 1.0 | 1.2 | — | 8,372 | 8,372 | 0.19 | 0.49 | 6.2 | 8,530 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2028 | 0.39 | 0.37 | 4.1 | 8.5 | 0.01 | 0.04 | 1.1 | 1.1 | 0.04 | 0.29 | 0.33 | — | 2,041 | 2,041 | 0.05 | 0.11 | 1.4 | 2,078 |
| 2029 | 1.4 | 1.3 | 2.6 | 5.6 | 0.01 | 0.03 | 0.79 | 0.82 | 0.03 | 0.19 | 0.22 | — | 1,386 | 1,386 | 0.03 | 0.08 | 1.0 | 1,412 |

# 3. Construction Emissions Details

## 3.1. Remedial Grading (2028) - 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 | 7.1 | 6.0 | 50 | 53 | 0.12 | 2.2 | — | 2.2 | 2.0 | — | 2.0 | — | 12,940 | 12,940 | 0.52 | 0.10 | — | 12,984 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 1.2 | 0.98 | 8.2 | 8.7 | 0.02 | 0.36 | — | 0.36 | 0.33 | — | 0.33 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.21 | 0.18 | 1.5 | 1.6 | < 0.005 | 0.07 | — | 0.07 | 0.06 | — | 0.06 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.13 | 0.13 | 0.14 | 1.6 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 428 | 428 | 0.01 | 0.02 | 0.03 | 433 |
| Vendor | 0.04 | 0.02 | 1.0 | 0.32 | 0.01 | 0.01 | 0.28 | 0.30 | 0.01 | 0.08 | 0.09 | — | 954 | 954 | 0.02 | 0.15 | 0.06 | 998 |
| 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 | 0.02 | 0.02 | 0.02 | 0.28 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 71 | 71 | < 0.005 | < 0.005 | 0.09 | 72 |
| Vendor | 0.01 | < 0.005 | 0.17 | 0.05 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.02 | — | 157 | 157 | < 0.005 | 0.02 | 0.16 | 164 |
| 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 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12 | 12 | < 0.005 | < 0.005 | 0.02 | 12 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 26 | 26 | < 0.005 | < 0.005 | 0.03 | 27 |
| 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 |

## 3.2. Remedial Grading (2028) - 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 | 1.6 | 1.6 | 37 | 69 | 0.12 | 0.33 | — | 0.33 | 0.32 | — | 0.32 | — | 12,940 | 12,940 | 0.52 | 0.10 | — | 12,984 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 0.26 | 0.26 | 6.1 | 11 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.05 | 1.1 | 2.1 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.13 | 0.13 | 0.14 | 1.6 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 428 | 428 | 0.01 | 0.02 | 0.03 | 433 |
| Vendor | 0.04 | 0.02 | 1.0 | 0.32 | 0.01 | 0.01 | 0.28 | 0.30 | 0.01 | 0.08 | 0.09 | — | 954 | 954 | 0.02 | 0.15 | 0.06 | 998 |
| 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 | 0.02 | 0.02 | 0.02 | 0.28 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 71 | 71 | < 0.005 | < 0.005 | 0.09 | 72 |
| Vendor | 0.01 | < 0.005 | 0.17 | 0.05 | < 0.005 | < 0.005 | 0.05 | 0.05 | < 0.005 | 0.01 | 0.02 | — | 157 | 157 | < 0.005 | 0.02 | 0.16 | 164 |
| 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 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12 | 12 | < 0.005 | < 0.005 | 0.02 | 12 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 26 | 26 | < 0.005 | < 0.005 | 0.03 | 27 |
| 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 |

## 3.3. Building Construction (2028) - 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 | 2.6 | 2.1 | 19 | 28 | 0.05 | 0.65 | — | 0.65 | 0.60 | — | 0.60 | — | 5,260 | 5,260 | 0.21 | 0.04 | — | 5,278 |
| 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-Roa Equipment | 2.6 | 2.1 | 19 | 28 | 0.05 | 0.65 | — | 0.65 | 0.60 | — | 0.60 | — | 5,260 | 5,260 | 0.21 | 0.04 | — | 5,278 |
| 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-Roa d Equipm ent | 1.4 | 1.2 | 11 | 15 | 0.03 | 0.36 | — | 0.36 | 0.33 | — | 0.33 | — | 2,903 | 2,903 | 0.12 | 0.02 | — | 2,913 |
| 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-Roa d Equipm ent | 0.26 | 0.22 | 1.9 | 2.8 | 0.01 | 0.07 | — | 0.07 | 0.06 | — | 0.06 | — | 481 | 481 | 0.02 | < 0.005 | — | 482 |
| 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 | 2.5 | 2.3 | 2.0 | 36 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 7,733 | 7,733 | 0.09 | 0.28 | 22 | 7,839 |
| Vendor | 0.26 | 0.12 | 5.7 | 1.8 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,603 | 5,603 | 0.09 | 0.86 | 13 | 5,875 |
| 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 | 2.2 | 2.1 | 2.3 | 27 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 7,113 | 7,113 | 0.10 | 0.28 | 0.57 | 7,198 |
| Vendor | 0.25 | 0.11 | 6.0 | 1.9 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,608 | 5,608 | 0.09 | 0.86 | 0.34 | 5,866 |
| 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 | 1.2 | 1.2 | 1.3 | 16 | 0.00 | 0.00 | 4.1 | 4.1 | 0.00 | 0.97 | 0.97 | — | 3,975 | 3,975 | 0.06 | 0.15 | 5.2 | 4,027 |
| Vendor | 0.14 | 0.06 | 3.3 | 1.0 | 0.02 | 0.05 | 0.91 | 0.95 | 0.05 | 0.25 | 0.30 | — | 3,093 | 3,093 | 0.05 | 0.47 | 3.2 | 3,239 |
| 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 | 0.22 | 0.21 | 0.23 | 2.9 | 0.00 | 0.00 | 0.76 | 0.76 | 0.00 | 0.18 | 0.18 | — | 658 | 658 | 0.01 | 0.03 | 0.87 | 667 |
| Vendor | 0.03 | 0.01 | 0.60 | 0.19 | < 0.005 | 0.01 | 0.17 | 0.17 | 0.01 | 0.05 | 0.05 | — | 512 | 512 | 0.01 | 0.08 | 0.52 | 536 |
| 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 |

## 3.4. Building Construction (2028) - 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,260 | 5,260 | 0.21 | 0.04 | — | 5,278 |
| 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,260 | 5,260 | 0.21 | 0.04 | — | 5,278 |
| 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 | 0.51 | 0.49 | 11 | 18 | 0.03 | 0.14 | — | 0.14 | 0.13 | — | 0.13 | — | 2,903 | 2,903 | 0.12 | 0.02 | — | 2,913 |
| 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 | 0.09 | 2.1 | 3.3 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 481 | 481 | 0.02 | < 0.005 | — | 482 |
| 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 | 2.5 | 2.3 | 2.0 | 36 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 7,733 | 7,733 | 0.09 | 0.28 | 22 | 7,839 |
| Vendor | 0.26 | 0.12 | 5.7 | 1.8 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,603 | 5,603 | 0.09 | 0.86 | 13 | 5,875 |
| 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 | 2.2 | 2.1 | 2.3 | 27 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 7,113 | 7,113 | 0.10 | 0.28 | 0.57 | 7,198 |
| Vendor | 0.25 | 0.11 | 6.0 | 1.9 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,608 | 5,608 | 0.09 | 0.86 | 0.34 | 5,866 |
| 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 | 1.2 | 1.2 | 1.3 | 16 | 0.00 | 0.00 | 4.1 | 4.1 | 0.00 | 0.97 | 0.97 | — | 3,975 | 3,975 | 0.06 | 0.15 | 5.2 | 4,027 |
| Vendor | 0.14 | 0.06 | 3.3 | 1.0 | 0.02 | 0.05 | 0.91 | 0.95 | 0.05 | 0.25 | 0.30 | — | 3,093 | 3,093 | 0.05 | 0.47 | 3.2 | 3,239 |
| 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 | 0.22 | 0.21 | 0.23 | 2.9 | 0.00 | 0.00 | 0.76 | 0.76 | 0.00 | 0.18 | 0.18 | — | 658 | 658 | 0.01 | 0.03 | 0.87 | 667 |
| Vendor | 0.03 | 0.01 | 0.60 | 0.19 | < 0.005 | 0.01 | 0.17 | 0.17 | 0.01 | 0.05 | 0.05 | — | 512 | 512 | 0.01 | 0.08 | 0.52 | 536 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

## 3.5. Building Construction (2029) - 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 | 2.5 | 2.1 | 19 | 28 | 0.05 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 2.5 | 2.1 | 19 | 28 | 0.05 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 1.0 | 0.87 | 7.7 | 12 | 0.02 | 0.25 | — | 0.25 | 0.23 | — | 0.23 | — | 2,182 | 2,182 | 0.09 | 0.02 | — | 2,189 |
| 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 Equipm | 0.19 | 0.16 | 1.4 | 2.1 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 361 | 361 | 0.01 | < 0.005 | — | 362 |
| 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 | 2.2 | 2.2 | 1.7 | 34 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 7,595 | 7,595 | 0.08 | 0.28 | 20 | 7,699 |
| Vendor | 0.26 | 0.12 | 5.5 | 1.8 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,457 | 5,457 | 0.09 | 0.82 | 12 | 5,714 |
| 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 | 2.1 | 1.8 | 2.0 | 25 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 6,988 | 6,988 | 0.09 | 0.28 | 0.51 | 7,073 |
| Vendor | 0.25 | 0.11 | 5.7 | 1.8 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,461 | 5,461 | 0.09 | 0.82 | 0.31 | 5,707 |
| 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 | 0.86 | 0.75 | 0.83 | 11 | 0.00 | 0.00 | 3.1 | 3.1 | 0.00 | 0.73 | 0.73 | — | 2,936 | 2,936 | 0.04 | 0.11 | 3.5 | 2,974 |
| Vendor | 0.11 | 0.05 | 2.4 | 0.75 | 0.02 | 0.04 | 0.68 | 0.72 | 0.04 | 0.19 | 0.22 | — | 2,265 | 2,265 | 0.04 | 0.34 | 2.1 | 2,369 |
| 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 | 0.16 | 0.14 | 0.15 | 2.0 | 0.00 | 0.00 | 0.57 | 0.57 | 0.00 | 0.13 | 0.13 | — | 486 | 486 | 0.01 | 0.02 | 0.58 | 492 |
| Vendor | 0.02 | 0.01 | 0.44 | 0.14 | < 0.005 | 0.01 | 0.12 | 0.13 | 0.01 | 0.03 | 0.04 | — | 375 | 375 | 0.01 | 0.06 | 0.35 | 392 |
| 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 |

## 3.6. Building Construction (2029) - 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.39 | 0.37 | 8.5 | 13 | 0.02 | 0.10 | — | 0.10 | 0.10 | — | 0.10 | — | 2,182 | 2,182 | 0.09 | 0.02 | — | 2,189 |
| 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 | 0.07 | 1.6 | 2.5 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 361 | 361 | 0.01 | < 0.005 | — | 362 |
| 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 2.2 | 2.2 | 1.7 | 34 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 7,595 | 7,595 | 0.08 | 0.28 | 20 | 7,699 |
| Vendor | 0.26 | 0.12 | 5.5 | 1.8 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,457 | 5,457 | 0.09 | 0.82 | 12 | 5,714 |
| 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 | 2.1 | 1.8 | 2.0 | 25 | 0.00 | 0.00 | 7.6 | 7.6 | 0.00 | 1.8 | 1.8 | — | 6,988 | 6,988 | 0.09 | 0.28 | 0.51 | 7,073 |
| Vendor | 0.25 | 0.11 | 5.7 | 1.8 | 0.04 | 0.09 | 1.7 | 1.7 | 0.09 | 0.46 | 0.55 | — | 5,461 | 5,461 | 0.09 | 0.82 | 0.31 | 5,707 |
| 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 | 0.86 | 0.75 | 0.83 | 11 | 0.00 | 0.00 | 3.1 | 3.1 | 0.00 | 0.73 | 0.73 | — | 2,936 | 2,936 | 0.04 | 0.11 | 3.5 | 2,974 |
| Vendor | 0.11 | 0.05 | 2.4 | 0.75 | 0.02 | 0.04 | 0.68 | 0.72 | 0.04 | 0.19 | 0.22 | — | 2,265 | 2,265 | 0.04 | 0.34 | 2.1 | 2,369 |
| 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 | 0.16 | 0.14 | 0.15 | 2.0 | 0.00 | 0.00 | 0.57 | 0.57 | 0.00 | 0.13 | 0.13 | — | 486 | 486 | 0.01 | 0.02 | 0.58 | 492 |
| Vendor | 0.02 | 0.01 | 0.44 | 0.14 | < 0.005 | 0.01 | 0.12 | 0.13 | 0.01 | 0.03 | 0.04 | — | 375 | 375 | 0.01 | 0.06 | 0.35 | 392 |
| 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 |

## 3.7. Paving (2029) - 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 Equipm | 0.80 | 0.67 | 6.5 | 9.9 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.4 | 1.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.80 | 0.67 | 6.5 | 9.9 | 0.01 | 0.24 | — | 0.24 | 0.22 | — | 0.22 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.4 | 1.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.24 | 0.20 | 1.9 | 3.0 | < 0.005 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 455 | 455 | 0.02 | < 0.005 | — | 457 |
| Paving | 0.41 | 0.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.36 | 0.55 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 75 | 75 | < 0.005 | < 0.005 | — | 76 |
| Paving | 0.08 | 0.08 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.04 | 0.87 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 196 | 196 | < 0.005 | 0.01 | 0.50 | 198 |
| 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 | 0.05 | 0.05 | 0.05 | 0.65 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 180 | 180 | < 0.005 | 0.01 | 0.01 | 182 |
| 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 | 0.02 | 0.01 | 0.02 | 0.21 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 55 | 55 | < 0.005 | < 0.005 | 0.07 | 56 |
| 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 9.1 | 9.1 | < 0.005 | < 0.005 | 0.01 | 9.2 |
| 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 |

## 3.8. Paving (2029) - 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipm | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.4 | 1.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.4 | 1.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.07 | 0.07 | 2.2 | 3.2 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 455 | 455 | 0.02 | < 0.005 | — | 457 |
| Paving | 0.41 | 0.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.40 | 0.58 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 75 | 75 | < 0.005 | < 0.005 | — | 76 |
| Paving | 0.08 | 0.08 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.06 | 0.06 | 0.04 | 0.87 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 196 | 196 | < 0.005 | 0.01 | 0.50 | 198 |
| 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 | 0.05 | 0.05 | 0.05 | 0.65 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 180 | 180 | < 0.005 | 0.01 | 0.01 | 182 |
| 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 | 0.02 | 0.01 | 0.02 | 0.21 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 55 | 55 | < 0.005 | < 0.005 | 0.07 | 56 |
| 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 9.1 | 9.1 | < 0.005 | < 0.005 | 0.01 | 9.2 |
| 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 |

## 3.9. Architectural Coating (2029) - 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Off-Road Equipm | 0.17 | 0.14 | 1.1 | 1.5 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 65 | 65 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.17 | 0.14 | 1.1 | 1.5 | < 0.005 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 65 | 65 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 0.04 | 0.32 | 0.45 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 54 | 54 | < 0.005 | < 0.005 | — | 54 |
| Architectural Coatings | 20 | 20 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.06 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | — | 8.9 |
| Architectural Coatings | 3.6 | 3.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.44 | 0.43 | 0.35 | 6.7 | 0.00 | 0.00 | 1.5 | 1.5 | 0.00 | 0.36 | 0.36 | — | 1,519 | 1,519 | 0.02 | 0.06 | 3.9 | 1,540 |
| 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 | 0.42 | 0.36 | 0.40 | 5.1 | 0.00 | 0.00 | 1.5 | 1.5 | 0.00 | 0.36 | 0.36 | — | 1,398 | 1,398 | 0.02 | 0.06 | 0.10 | 1,415 |
| 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 | 0.13 | 0.11 | 0.12 | 1.6 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.11 | 0.11 | — | 426 | 426 | 0.01 | 0.02 | 0.51 | 432 |
| 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 | 0.02 | 0.02 | 0.02 | 0.29 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | — | 71 | 71 | < 0.005 | < 0.005 | 0.08 | 72 |
| 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 |

## 3.10. Architectural Coating (2029) - 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 18 | 18 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 18 | 18 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.01 | 0.43 | 0.39 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 54 | 54 | < 0.005 | < 0.005 | — | 54 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architect Coatings | 5.4 | 5.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.08 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | — | 8.9 |
| Architectural Coatings | 0.99 | 0.99 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.44 | 0.43 | 0.35 | 6.7 | 0.00 | 0.00 | 1.5 | 1.5 | 0.00 | 0.36 | 0.36 | — | 1,519 | 1,519 | 0.02 | 0.06 | 3.9 | 1,540 |
| 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 | 0.42 | 0.36 | 0.40 | 5.1 | 0.00 | 0.00 | 1.5 | 1.5 | 0.00 | 0.36 | 0.36 | — | 1,398 | 1,398 | 0.02 | 0.06 | 0.10 | 1,415 |
| 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 | 0.13 | 0.11 | 0.12 | 1.6 | 0.00 | 0.00 | 0.45 | 0.45 | 0.00 | 0.11 | 0.11 | — | 426 | 426 | 0.01 | 0.02 | 0.51 | 432 |
| 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 | 0.02 | 0.02 | 0.02 | 0.29 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | — | 71 | 71 | < 0.005 | < 0.005 | 0.08 | 72 |
| 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

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|
| Remedial Grading | Grading | 1/1/2028 | 3/24/2028 | 5.0 | 60 | — |
| Building Construction | Building Construction | 3/25/2028 | 7/31/2029 | 5.0 | 352 | — |
| Paving | Paving | 2/28/2029 | 7/31/2029 | 5.0 | 110 | — |
| Architectural Coating | Architectural Coating | 2/28/2029 | 7/31/2029 | 5.0 | 110 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Average | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Average | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Average | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Average | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Average | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Average | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Average | 2.0 | 8.0 | 367 | 0.29 |
| Building Construction | Welders | Diesel | Average | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Average | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Average | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Average | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 8.0 | 37 | 0.48 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Tier 4 Interim | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Tier 4 Interim | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Tier 4 Interim | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Tier 4 Interim | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.29 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Welders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Tier 4 Interim | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Tier 4 Interim | 1.00 | 8.0 | 37 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 33 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 582 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 194 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | — | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 116 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | — | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 33 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 582 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 194 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | — | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 116 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | — | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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) |
|---|---|---|---|---|---|
| Architectural Coating | 0.00 | 0.00 | 2,079,066 | 693,022 | 149,728 |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Remedial Grading | — | — | 450 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 57 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

## 5.7. Construction Paving

| Phase Name | Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|---|
| Paving | Unrefrigerated Warehouse-No Rail | 0.00 | 0% |
| Paving | Parking Lot | 14 | 100% |
| Paving | Other Asphalt Surfaces | 44 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2028 | 0.00 | 532 | 0.03 | < 0.005 |
| 2029 | 0.00 | 532 | 0.03 | < 0.005 |

## 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 | 31 | annual days of extreme heat |
| Extreme Precipitation | 5.3 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 98 |
| AQ-PM | 37 |
| AQ-DPM | 2.9 |
| Drinking Water | 59 |
| Lead Risk Housing | 0.37 |

| | |
|---|---|
| Pesticides | 24 |
| Toxic Releases | 25 |
| Traffic | 81 |
| Effect Indicators | — |
| CleanUp Sites | 17 |
| Groundwater | 60 |
| Haz Waste Facilities/Generators | 68 |
| Impaired Water Bodies | 12 |
| Solid Waste | 95 |
| Sensitive Population | — |
| Asthma | 82 |
| Cardio-vascular | 93 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 20 |
| Housing | 30 |
| Linguistic | 9.5 |
| Poverty | 30 |
| Unemployment | 94 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |

| | |
|---|---|
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |

| | |
|---|---|
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67 |
| Healthy Places Index Score for Project Location (b) | 33 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Construction: Construction Phases | Construction schedule based on data provided by the applicant. |

| | |
|---|---|
| Construction: Off-Road Equipment | Crawler tractors assumed during grading in lieu of tractors/loaders/backhoes in order to account for fugitive dust. All equipment assumed to operate 8 hours per day. |
| Construction: Trips and VMT | Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Remedial Grading and Building Construction. |
| Construction: Architectural Coatings | Rule 1113 limits |

# 15718 Beaumont Heights Construction Ph3 Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Remedial Grading (2029) - Unmitigated

3.2. Remedial Grading (2029) - Mitigated

3.3. Building Construction (2029) - Unmitigated

3.4. Building Construction (2029) - Mitigated

3.5. Building Construction (2030) - Unmitigated

3.6. Building Construction (2030) - Mitigated

3.7. Paving (2030) - Unmitigated

3.8. Paving (2030) - Mitigated

3.9. Architectural Coating (2030) - Unmitigated

3.10. Architectural Coating (2030) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Construction Ph3 |
| Construction Start Date | 6/2/2026 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.5 |
| Precipitation (days) | 19 |
| Location | 33.910963943172064, -116.97694984715945 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.35 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,489 | 1000sqft | 34 | 1,488,920 | 0.00 | — | — | — |
| Parking Lot | 1,688 | Space | 15 | 0.00 | 0.00 | — | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 33 | Acre | 33 | 0.00 | 0.00 | — | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Construction | C-5 | Use Advanced Engine Tiers |
| Construction | C-13 | Use Low-VOC Paints for Construction |

## 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. | 76 | 75 | 48 | 82 | 0.13 | 2.1 | 12 | 13 | 1.9 | 2.8 | 4.1 | — | 22,335 | 22,335 | 0.55 | 1.3 | 34 | 22,762 |
| Mit. | 23 | 23 | 39 | 87 | 0.13 | 0.46 | 12 | 12 | 0.44 | 2.8 | 3.3 | — | 22,335 | 22,335 | 0.55 | 1.3 | 34 | 22,762 |
| % Reduced | 69% | 70% | 20% | -6% | — | 78% | — | 3% | 77% | — | 19% | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 75 | 74 | 48 | 73 | 0.13 | 2.1 | 12 | 13 | 1.9 | 2.8 | 4.1 | — | 21,557 | 21,557 | 0.55 | 1.3 | 0.88 | 21,950 |
| Mit. | 23 | 23 | 39 | 78 | 0.13 | 0.46 | 12 | 12 | 0.44 | 2.8 | 3.3 | — | 21,557 | 21,557 | 0.55 | 1.3 | 0.88 | 21,950 |
| % Reduced | 69% | 70% | 20% | -7% | — | 78% | — | 3% | 77% | — | 19% | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 25 | 24 | 21 | 46 | 0.07 | 0.54 | 7.5 | 8.1 | 0.50 | 1.8 | 2.3 | — | 14,088 | 14,088 | 0.32 | 0.88 | 9.7 | 14,368 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mit. | 8.3 | 7.9 | 23 | 49 | 0.07 | 0.28 | 7.5 | 7.8 | 0.27 | 1.8 | 2.1 | — | 14,088 | 14,088 | 0.32 | 0.88 | 9.7 | 14,368 |
| % Reduced | 66% | 67% | -10% | -7% | — | 49% | — | 3% | 47% | — | 10% | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 4.5 | 4.4 | 3.8 | 8.4 | 0.01 | 0.10 | 1.4 | 1.5 | 0.09 | 0.33 | 0.42 | — | 2,332 | 2,332 | 0.05 | 0.15 | 1.6 | 2,379 |
| Mit. | 1.5 | 1.4 | 4.2 | 9.0 | 0.01 | 0.05 | 1.4 | 1.4 | 0.05 | 0.33 | 0.38 | — | 2,332 | 2,332 | 0.05 | 0.15 | 1.6 | 2,379 |
| % Reduced | 66% | 67% | -10% | -7% | — | 49% | — | 3% | 47% | — | 10% | — | — | — | — | — | — | — |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 7.0 | 5.9 | 48 | 55 | 0.13 | 2.1 | 6.0 | 8.1 | 1.9 | 2.1 | 4.1 | — | 14,519 | 14,519 | 0.55 | 0.29 | 3.6 | 14,622 |
| 2030 | 76 | 75 | 33 | 82 | 0.11 | 0.89 | 12 | 13 | 0.83 | 2.8 | 3.7 | — | 22,335 | 22,335 | 0.48 | 1.3 | 34 | 22,762 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 7.0 | 5.9 | 48 | 57 | 0.13 | 2.1 | 9.9 | 11 | 1.9 | 2.4 | 4.1 | — | 18,508 | 18,508 | 0.55 | 1.2 | 0.87 | 18,876 |
| 2030 | 75 | 74 | 34 | 73 | 0.11 | 0.89 | 12 | 13 | 0.83 | 2.8 | 3.7 | — | 21,557 | 21,557 | 0.50 | 1.3 | 0.88 | 21,950 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 1.8 | 1.5 | 12 | 17 | 0.03 | 0.43 | 2.3 | 2.7 | 0.40 | 0.67 | 1.1 | — | 4,893 | 4,893 | 0.14 | 0.21 | 2.2 | 4,961 |
| 2030 | 25 | 24 | 21 | 46 | 0.07 | 0.54 | 7.5 | 8.1 | 0.50 | 1.8 | 2.3 | — | 14,088 | 14,088 | 0.32 | 0.88 | 9.7 | 14,368 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 0.33 | 0.28 | 2.1 | 3.1 | 0.01 | 0.08 | 0.42 | 0.50 | 0.07 | 0.12 | 0.20 | — | 810 | 810 | 0.02 | 0.03 | 0.37 | 821 |
| 2030 | 4.5 | 4.4 | 3.8 | 8.4 | 0.01 | 0.10 | 1.4 | 1.5 | 0.09 | 0.33 | 0.42 | — | 2,332 | 2,332 | 0.05 | 0.15 | 1.6 | 2,379 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 1.8 | 1.7 | 39 | 71 | 0.13 | 0.35 | 6.0 | 6.3 | 0.34 | 2.1 | 2.5 | — | 14,519 | 14,519 | 0.55 | 0.29 | 3.6 | 14,622 |
| 2030 | 23 | 23 | 37 | 87 | 0.11 | 0.46 | 12 | 12 | 0.44 | 2.8 | 3.3 | — | 22,335 | 22,335 | 0.48 | 1.3 | 34 | 22,762 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 3.4 | 2.9 | 39 | 71 | 0.13 | 0.35 | 9.9 | 10 | 0.34 | 2.4 | 2.7 | — | 18,508 | 18,508 | 0.55 | 1.2 | 0.87 | 18,876 |
| 2030 | 23 | 23 | 37 | 78 | 0.11 | 0.46 | 12 | 12 | 0.44 | 2.8 | 3.3 | — | 21,557 | 21,557 | 0.50 | 1.3 | 0.88 | 21,950 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 0.75 | 0.68 | 10 | 20 | 0.03 | 0.10 | 2.3 | 2.4 | 0.10 | 0.67 | 0.77 | — | 4,893 | 4,893 | 0.14 | 0.21 | 2.2 | 4,961 |
| 2030 | 8.3 | 7.9 | 23 | 49 | 0.07 | 0.28 | 7.5 | 7.8 | 0.27 | 1.8 | 2.1 | — | 14,088 | 14,088 | 0.32 | 0.88 | 9.7 | 14,368 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2029 | 0.14 | 0.12 | 1.9 | 3.7 | 0.01 | 0.02 | 0.42 | 0.44 | 0.02 | 0.12 | 0.14 | — | 810 | 810 | 0.02 | 0.03 | 0.37 | 821 |
| 2030 | 1.5 | 1.4 | 4.2 | 9.0 | 0.01 | 0.05 | 1.4 | 1.4 | 0.05 | 0.33 | 0.38 | — | 2,332 | 2,332 | 0.05 | 0.15 | 1.6 | 2,379 |

# 3. Construction Emissions Details

## 3.1. Remedial Grading (2029) - 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-Roa Equipment | 6.9 | 5.8 | 47 | 52 | 0.12 | 2.1 | — | 2.1 | 1.9 | — | 1.9 | — | 12,937 | 12,937 | 0.52 | 0.10 | — | 12,981 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 6.9 | 5.8 | 47 | 52 | 0.12 | 2.1 | — | 2.1 | 1.9 | — | 1.9 | — | 12,937 | 12,937 | 0.52 | 0.10 | — | 12,981 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 1.1 | 0.95 | 7.7 | 8.6 | 0.02 | 0.34 | — | 0.34 | 0.31 | — | 0.31 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.21 | 0.17 | 1.4 | 1.6 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.13 | 0.13 | 0.10 | 2.0 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 457 | 457 | < 0.005 | 0.02 | 1.2 | 463 |
| Vendor | 0.05 | 0.02 | 1.1 | 0.37 | 0.01 | 0.02 | 0.34 | 0.36 | 0.02 | 0.09 | 0.11 | — | 1,125 | 1,125 | 0.02 | 0.17 | 2.4 | 1,178 |
| 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 | 0.13 | 0.11 | 0.12 | 1.5 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 420 | 420 | 0.01 | 0.02 | 0.03 | 425 |
| Vendor | 0.05 | 0.02 | 1.2 | 0.38 | 0.01 | 0.02 | 0.34 | 0.36 | 0.02 | 0.09 | 0.11 | — | 1,126 | 1,126 | 0.02 | 0.17 | 0.06 | 1,177 |
| 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 | 0.02 | 0.02 | 0.02 | 0.26 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 70 | 70 | < 0.005 | < 0.005 | 0.08 | 71 |
| Vendor | 0.01 | < 0.005 | 0.20 | 0.06 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | — | 185 | 185 | < 0.005 | 0.03 | 0.17 | 194 |
| 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 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12 | 12 | < 0.005 | < 0.005 | 0.01 | 12 |
| Vendor | < 0.005 | < 0.005 | 0.04 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 31 | 31 | < 0.005 | < 0.005 | 0.03 | 32 |
| 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 |

## 3.2. Remedial Grading (2029) - 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 | 1.6 | 1.6 | 37 | 69 | 0.12 | 0.33 | — | 0.33 | 0.32 | — | 0.32 | — | 12,937 | 12,937 | 0.52 | 0.10 | — | 12,981 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 1.6 | 1.6 | 37 | 69 | 0.12 | 0.33 | — | 0.33 | 0.32 | — | 0.32 | — | 12,937 | 12,937 | 0.52 | 0.10 | — | 12,981 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 0.26 | 0.26 | 6.1 | 11 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.05 | 1.1 | 2.1 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.13 | 0.13 | 0.10 | 2.0 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 457 | 457 | < 0.005 | 0.02 | 1.2 | 463 |
| Vendor | 0.05 | 0.02 | 1.1 | 0.37 | 0.01 | 0.02 | 0.34 | 0.36 | 0.02 | 0.09 | 0.11 | — | 1,125 | 1,125 | 0.02 | 0.17 | 2.4 | 1,178 |
| 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 | 0.13 | 0.11 | 0.12 | 1.5 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 420 | 420 | 0.01 | 0.02 | 0.03 | 425 |
| Vendor | 0.05 | 0.02 | 1.2 | 0.38 | 0.01 | 0.02 | 0.34 | 0.36 | 0.02 | 0.09 | 0.11 | — | 1,126 | 1,126 | 0.02 | 0.17 | 0.06 | 1,177 |
| 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 | 0.02 | 0.02 | 0.02 | 0.26 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 70 | 70 | < 0.005 | < 0.005 | 0.08 | 71 |
| Vendor | 0.01 | < 0.005 | 0.20 | 0.06 | < 0.005 | < 0.005 | 0.06 | 0.06 | < 0.005 | 0.02 | 0.02 | — | 185 | 185 | < 0.005 | 0.03 | 0.17 | 194 |
| 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 | 0.05 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 12 | 12 | < 0.005 | < 0.005 | 0.01 | 12 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vendor | < 0.005 | < 0.005 | 0.04 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 31 | 31 | < 0.005 | < 0.005 | 0.03 | 32 |
| 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 |

## 3.3. Building Construction (2029) - 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 | 2.5 | 2.1 | 19 | 28 | 0.05 | 0.60 | — | 0.60 | 0.55 | — | 0.55 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.34 | 0.28 | 2.5 | 3.8 | 0.01 | 0.08 | — | 0.08 | 0.07 | — | 0.07 | — | 710 | 710 | 0.03 | 0.01 | — | 713 |
| 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 | 0.46 | 0.69 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 118 | 118 | < 0.005 | < 0.005 | — | 118 |
| 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 | 2.2 | 1.9 | 2.2 | 27 | 0.00 | 0.00 | 8.2 | 8.2 | 0.00 | 1.9 | 1.9 | — | 7,507 | 7,507 | 0.10 | 0.30 | 0.55 | 7,598 |
| Vendor | 0.26 | 0.12 | 6.0 | 1.9 | 0.05 | 0.09 | 1.7 | 1.8 | 0.09 | 0.48 | 0.57 | — | 5,743 | 5,743 | 0.10 | 0.86 | 0.32 | 6,001 |
| 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 | 0.30 | 0.26 | 0.29 | 3.9 | 0.00 | 0.00 | 1.1 | 1.1 | 0.00 | 0.26 | 0.26 | — | 1,026 | 1,026 | 0.01 | 0.04 | 1.2 | 1,040 |
| Vendor | 0.04 | 0.02 | 0.82 | 0.26 | 0.01 | 0.01 | 0.23 | 0.25 | 0.01 | 0.06 | 0.08 | — | 775 | 775 | 0.01 | 0.12 | 0.73 | 811 |
| 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 | 0.06 | 0.05 | 0.05 | 0.71 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 170 | 170 | < 0.005 | 0.01 | 0.20 | 172 |
| Vendor | 0.01 | < 0.005 | 0.15 | 0.05 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 128 | 128 | < 0.005 | 0.02 | 0.12 | 134 |
| 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 |

## 3.4. Building Construction (2029) - 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 Equipm | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.13 | 0.12 | 2.8 | 4.4 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 710 | 710 | 0.03 | 0.01 | — | 713 |
| 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 | 0.02 | 0.02 | 0.51 | 0.80 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 118 | 118 | < 0.005 | < 0.005 | — | 118 |
| 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 | 2.2 | 1.9 | 2.2 | 27 | 0.00 | 0.00 | 8.2 | 8.2 | 0.00 | 1.9 | 1.9 | — | 7,507 | 7,507 | 0.10 | 0.30 | 0.55 | 7,598 |
| Vendor | 0.26 | 0.12 | 6.0 | 1.9 | 0.05 | 0.09 | 1.7 | 1.8 | 0.09 | 0.48 | 0.57 | — | 5,743 | 5,743 | 0.10 | 0.86 | 0.32 | 6,001 |
| 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 | 0.30 | 0.26 | 0.29 | 3.9 | 0.00 | 0.00 | 1.1 | 1.1 | 0.00 | 0.26 | 0.26 | — | 1,026 | 1,026 | 0.01 | 0.04 | 1.2 | 1,040 |
| Vendor | 0.04 | 0.02 | 0.82 | 0.26 | 0.01 | 0.01 | 0.23 | 0.25 | 0.01 | 0.06 | 0.08 | — | 775 | 775 | 0.01 | 0.12 | 0.73 | 811 |
| 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 | 0.06 | 0.05 | 0.05 | 0.71 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 170 | 170 | < 0.005 | 0.01 | 0.20 | 172 |
| Vendor | 0.01 | < 0.005 | 0.15 | 0.05 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 128 | 128 | < 0.005 | 0.02 | 0.12 | 134 |
| 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 |

## 3.5. Building Construction (2030) - 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 | 2.4 | 2.0 | 18 | 28 | 0.05 | 0.57 | — | 0.57 | 0.52 | — | 0.52 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 2.4 | 2.0 | 18 | 28 | 0.05 | 0.57 | — | 0.57 | 0.52 | — | 0.52 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 1.7 | 1.5 | 13 | 20 | 0.04 | 0.40 | — | 0.40 | 0.37 | — | 0.37 | — | 3,756 | 3,756 | 0.15 | 0.03 | — | 3,769 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.32 | 0.26 | 2.4 | 3.6 | 0.01 | 0.07 | — | 0.07 | 0.07 | — | 0.07 | — | 622 | 622 | 0.03 | 0.01 | — | 624 |
| 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 | 2.2 | 2.0 | 1.6 | 34 | 0.00 | 0.00 | 8.2 | 8.2 | 0.00 | 1.9 | 1.9 | — | 8,022 | 8,022 | 0.08 | 0.30 | 19 | 8,131 |
| Vendor | 0.28 | 0.13 | 5.5 | 1.8 | 0.05 | 0.09 | 1.7 | 1.8 | 0.09 | 0.48 | 0.57 | — | 5,570 | 5,570 | 0.10 | 0.86 | 11 | 5,838 |
| 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 | 2.1 | 1.8 | 1.9 | 26 | 0.00 | 0.00 | 8.2 | 8.2 | 0.00 | 1.9 | 1.9 | — | 7,381 | 7,381 | 0.10 | 0.30 | 0.49 | 7,473 |
| Vendor | 0.26 | 0.12 | 5.8 | 1.9 | 0.05 | 0.09 | 1.7 | 1.8 | 0.09 | 0.48 | 0.57 | — | 5,574 | 5,574 | 0.10 | 0.86 | 0.29 | 5,833 |
| 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 | 1.5 | 1.3 | 1.3 | 19 | 0.00 | 0.00 | 5.8 | 5.8 | 0.00 | 1.4 | 1.4 | — | 5,339 | 5,339 | 0.07 | 0.21 | 5.8 | 5,409 |
| Vendor | 0.19 | 0.09 | 4.1 | 1.3 | 0.03 | 0.07 | 1.2 | 1.3 | 0.07 | 0.34 | 0.41 | — | 3,980 | 3,980 | 0.07 | 0.61 | 3.4 | 4,167 |
| 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 | 0.27 | 0.24 | 0.25 | 3.5 | 0.00 | 0.00 | 1.1 | 1.1 | 0.00 | 0.25 | 0.25 | — | 884 | 884 | 0.01 | 0.04 | 0.96 | 896 |
| Vendor | 0.04 | 0.02 | 0.76 | 0.24 | 0.01 | 0.01 | 0.23 | 0.24 | 0.01 | 0.06 | 0.07 | — | 659 | 659 | 0.01 | 0.10 | 0.56 | 690 |
| 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 |

## 3.6. Building Construction (2030) - 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.66 | 0.63 | 15 | 23 | 0.04 | 0.17 | — | 0.17 | 0.17 | — | 0.17 | — | 3,756 | 3,756 | 0.15 | 0.03 | — | 3,769 |
| 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 | 0.12 | 0.12 | 2.7 | 4.2 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 622 | 622 | 0.03 | 0.01 | — | 624 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 2.2 | 2.0 | 1.6 | 34 | 0.00 | 0.00 | 8.2 | 8.2 | 0.00 | 1.9 | 1.9 | — | 8,022 | 8,022 | 0.08 | 0.30 | 19 | 8,131 |
| Vendor | 0.28 | 0.13 | 5.5 | 1.8 | 0.05 | 0.09 | 1.7 | 1.8 | 0.09 | 0.48 | 0.57 | — | 5,570 | 5,570 | 0.10 | 0.86 | 11 | 5,838 |
| 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 | 2.1 | 1.8 | 1.9 | 26 | 0.00 | 0.00 | 8.2 | 8.2 | 0.00 | 1.9 | 1.9 | — | 7,381 | 7,381 | 0.10 | 0.30 | 0.49 | 7,473 |
| Vendor | 0.26 | 0.12 | 5.8 | 1.9 | 0.05 | 0.09 | 1.7 | 1.8 | 0.09 | 0.48 | 0.57 | — | 5,574 | 5,574 | 0.10 | 0.86 | 0.29 | 5,833 |
| 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 | 1.5 | 1.3 | 1.3 | 19 | 0.00 | 0.00 | 5.8 | 5.8 | 0.00 | 1.4 | 1.4 | — | 5,339 | 5,339 | 0.07 | 0.21 | 5.8 | 5,409 |
| Vendor | 0.19 | 0.09 | 4.1 | 1.3 | 0.03 | 0.07 | 1.2 | 1.3 | 0.07 | 0.34 | 0.41 | — | 3,980 | 3,980 | 0.07 | 0.61 | 3.4 | 4,167 |
| 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 | 0.27 | 0.24 | 0.25 | 3.5 | 0.00 | 0.00 | 1.1 | 1.1 | 0.00 | 0.25 | 0.25 | — | 884 | 884 | 0.01 | 0.04 | 0.96 | 896 |
| Vendor | 0.04 | 0.02 | 0.76 | 0.24 | 0.01 | 0.01 | 0.23 | 0.24 | 0.01 | 0.06 | 0.07 | — | 659 | 659 | 0.01 | 0.10 | 0.56 | 690 |
| 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 |

## 3.7. Paving (2030) - 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.77 | 0.64 | 6.3 | 9.9 | 0.01 | 0.22 | — | 0.22 | 0.20 | — | 0.20 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.1 | 1.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.77 | 0.64 | 6.3 | 9.9 | 0.01 | 0.22 | — | 0.22 | 0.20 | — | 0.20 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.1 | 1.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.19 | 1.9 | 3.0 | < 0.005 | 0.07 | — | 0.07 | 0.06 | — | 0.06 | — | 455 | 455 | 0.02 | < 0.005 | — | 457 |
| Paving | 0.35 | 0.35 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.35 | 0.54 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 75 | 75 | < 0.005 | < 0.005 | — | 76 |
| Paving | 0.06 | 0.06 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.05 | 0.05 | 0.04 | 0.81 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 192 | 192 | < 0.005 | 0.01 | 0.45 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.05 | 0.04 | 0.05 | 0.61 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 177 | 177 | < 0.005 | 0.01 | 0.01 | 179 |
| 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 | 0.02 | 0.01 | 0.01 | 0.19 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 54 | 54 | < 0.005 | < 0.005 | 0.06 | 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | 0.01 | 9.1 |
| 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 |

## 3.8. Paving (2030) - 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.1 | 1.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.1 | 1.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.07 | 0.07 | 2.2 | 3.2 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 455 | 455 | 0.02 | < 0.005 | — | 457 |
| Paving | 0.35 | 0.35 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.40 | 0.58 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 75 | 75 | < 0.005 | < 0.005 | — | 76 |
| Paving | 0.06 | 0.06 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.05 | 0.05 | 0.04 | 0.81 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 192 | 192 | < 0.005 | 0.01 | 0.45 | 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.05 | 0.04 | 0.05 | 0.61 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 177 | 177 | < 0.005 | 0.01 | 0.01 | 179 |
| 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 | 0.02 | 0.01 | 0.01 | 0.19 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 54 | 54 | < 0.005 | < 0.005 | 0.06 | 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | 0.01 | 9.1 |
| 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 |

## 3.9. Architectural Coating (2030) - 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 | 0.16 | 0.13 | 1.0 | 1.5 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 68 | 68 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.16 | 0.13 | 1.0 | 1.5 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 68 | 68 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 0.04 | 0.32 | 0.44 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 54 | 54 | < 0.005 | < 0.005 | — | 54 |
| Architectural Coatings | 21 | 21 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.06 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | — | 8.9 |
| Architectural Coatings | 3.7 | 3.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.45 | 0.39 | 0.32 | 6.7 | 0.00 | 0.00 | 1.6 | 1.6 | 0.00 | 0.38 | 0.38 | — | 1,604 | 1,604 | 0.02 | 0.06 | 3.7 | 1,626 |
| 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 | 0.43 | 0.37 | 0.38 | 5.1 | 0.00 | 0.00 | 1.6 | 1.6 | 0.00 | 0.38 | 0.38 | — | 1,476 | 1,476 | 0.02 | 0.06 | 0.10 | 1,495 |
| 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 | 0.13 | 0.11 | 0.11 | 1.6 | 0.00 | 0.00 | 0.49 | 0.49 | 0.00 | 0.11 | 0.11 | — | 450 | 450 | 0.01 | 0.02 | 0.49 | 456 |
| 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 | 0.02 | 0.02 | 0.02 | 0.30 | 0.00 | 0.00 | 0.09 | 0.09 | 0.00 | 0.02 | 0.02 | — | 75 | 75 | < 0.005 | < 0.005 | 0.08 | 76 |
| 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 |

## 3.10. Architectural Coating (2030) - 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 18 | 18 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 18 | 18 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.01 | 0.43 | 0.39 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 54 | 54 | < 0.005 | < 0.005 | — | 54 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architect Coatings | 5.4 | 5.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.08 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | — | 8.9 |
| Architectural Coatings | 0.98 | 0.98 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.45 | 0.39 | 0.32 | 6.7 | 0.00 | 0.00 | 1.6 | 1.6 | 0.00 | 0.38 | 0.38 | — | 1,604 | 1,604 | 0.02 | 0.06 | 3.7 | 1,626 |
| 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 | 0.43 | 0.37 | 0.38 | 5.1 | 0.00 | 0.00 | 1.6 | 1.6 | 0.00 | 0.38 | 0.38 | — | 1,476 | 1,476 | 0.02 | 0.06 | 0.10 | 1,495 |
| 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 | 0.13 | 0.11 | 0.11 | 1.6 | 0.00 | 0.00 | 0.49 | 0.49 | 0.00 | 0.11 | 0.11 | — | 450 | 450 | 0.01 | 0.02 | 0.49 | 456 |
| 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 | 0.02 | 0.02 | 0.02 | 0.30 | 0.00 | 0.00 | 0.09 | 0.09 | 0.00 | 0.02 | 0.02 | — | 75 | 75 | < 0.005 | < 0.005 | 0.08 | 76 |
| 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

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|
| Remedial Grading | Grading | 8/1/2029 | 10/23/2029 | 5.0 | 60 | — |
| Building Construction | Building Construction | 10/24/2029 | 12/31/2030 | 5.0 | 310 | — |
| Paving | Paving | 7/31/2030 | 12/31/2030 | 5.0 | 110 | — |
| Architectural Coating | Architectural Coating | 7/31/2030 | 12/31/2030 | 5.0 | 110 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Average | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Average | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Average | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Average | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Average | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Average | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Average | 2.0 | 8.0 | 367 | 0.29 |
| Building Construction | Welders | Diesel | Average | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Average | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Average | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Average | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 8.0 | 37 | 0.48 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Tier 4 Interim | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Tier 4 Interim | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Tier 4 Interim | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Tier 4 Interim | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.29 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Welders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Tier 4 Interim | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Tier 4 Interim | 1.00 | 8.0 | 37 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 40 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 625 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 204 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 125 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 40 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 625 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 204 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 125 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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) |
|---|---|---|---|---|---|
| Architectural Coating | 0.00 | 0.00 | 2,233,380 | 744,460 | 125,824 |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Remedial Grading | — | — | 450 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 48 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

## 5.7. Construction Paving

| Phase Name | Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|---|
| Paving | Unrefrigerated Warehouse-No Rail | 0.00 | 0% |
| Paving | Parking Lot | 15 | 100% |
| Paving | Other Asphalt Surfaces | 33 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2029 | 0.00 | 532 | 0.03 | < 0.005 |
| 2030 | 0.00 | 532 | 0.03 | < 0.005 |

## 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 | 31 | annual days of extreme heat |
| Extreme Precipitation | 5.3 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 98 |
| AQ-PM | 37 |
| AQ-DPM | 2.9 |
| Drinking Water | 59 |
| Lead Risk Housing | 0.37 |

| | |
|---|---|
| Pesticides | 24 |
| Toxic Releases | 25 |
| Traffic | 81 |
| Effect Indicators | — |
| CleanUp Sites | 17 |
| Groundwater | 60 |
| Haz Waste Facilities/Generators | 68 |
| Impaired Water Bodies | 12 |
| Solid Waste | 95 |
| Sensitive Population | — |
| Asthma | 82 |
| Cardio-vascular | 93 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 20 |
| Housing | 30 |
| Linguistic | 9.5 |
| Poverty | 30 |
| Unemployment | 94 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |

| | |
|---|---|
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |

| | |
|---|---|
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67 |
| Healthy Places Index Score for Project Location (b) | 33 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Construction: Construction Phases | Construction schedule based on data provided by the applicant. |

| | |
|---|---|
| Construction: Off-Road Equipment | Crawler tractors assumed during grading in lieu of tractors/loaders/backhoes in order to account for fugitive dust. All equipment assumed to operate 8 hours per day. |
| Construction: Trips and VMT | Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Remedial Grading and Building Construction. |
| Construction: Architectural Coatings | Rule 1113 limits |

# 15718 Beaumont Heights Construction Ph4 Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Remedial Grading (2031) - Unmitigated

3.2. Remedial Grading (2031) - Mitigated

3.3. Building Construction (2031) - Unmitigated

3.4. Building Construction (2031) - Mitigated

3.5. Building Construction (2032) - Unmitigated

3.6. Building Construction (2032) - Mitigated

3.7. Paving (2032) - Unmitigated

3.8. Paving (2032) - Mitigated

3.9. Architectural Coating (2032) - Unmitigated

3.10. Architectural Coating (2032) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Construction Ph4 |
| Construction Start Date | 6/2/2026 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.5 |
| Precipitation (days) | 19 |
| Location | 33.910963943172064, -116.97694984715945 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.35 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,666 | 1000sqft | 38 | 1,666,305 | 0.00 | — | — | — |
| Parking Lot | 2,013 | Space | 18 | 0.00 | 0.00 | — | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 49 | Acre | 49 | 0.00 | 0.00 | — | — | — |

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

| Sector | # | Measure Title |
|---|---|---|
| Construction | C-5 | Use Advanced Engine Tiers |
| Construction | C-13 | Use Low-VOC Paints for Construction |

## 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. | 85 | 84 | 32 | 82 | 0.12 | 0.81 | 13 | 14 | 0.70 | 3.2 | 3.9 | — | 23,766 | 23,766 | 0.49 | 1.1 | 30 | 24,129 |
| Mit. | 27 | 27 | 37 | 87 | 0.12 | 0.48 | 13 | 14 | 0.40 | 3.2 | 3.6 | — | 23,766 | 23,766 | 0.49 | 1.1 | 30 | 24,129 |
| % Reduced | 68% | 68% | -16% | -6% | — | 41% | — | 2% | 42% | — | 7% | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 85 | 84 | 43 | 72 | 0.13 | 1.9 | 13 | 14 | 1.8 | 3.2 | 3.9 | — | 22,926 | 22,926 | 0.54 | 1.3 | 0.78 | 23,260 |
| Mit. | 27 | 27 | 38 | 77 | 0.13 | 0.48 | 13 | 14 | 0.40 | 3.2 | 3.6 | — | 22,926 | 22,926 | 0.54 | 1.3 | 0.78 | 23,260 |
| % Reduced | 68% | 68% | 12% | -7% | — | 75% | — | 2% | 77% | — | 8% | — | — | — | — | — | — | — |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 28 | 27 | 22 | 46 | 0.08 | 0.67 | 8.5 | 9.0 | 0.59 | 2.1 | 2.5 | — | 15,060 | 15,060 | 0.33 | 0.98 | 8.5 | 15,370 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mit. | 9.6 | 9.2 | 23 | 49 | 0.08 | 0.29 | 8.5 | 8.8 | 0.24 | 2.1 | 2.3 | — | 15,060 | 15,060 | 0.33 | 0.98 | 8.5 | 15,370 |
| % Reduced | 65% | 66% | -8% | -8% | — | 57% | — | 2% | 59% | — | 7% | — | — | — | — | — | — | — |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.1 | 4.9 | 3.9 | 8.3 | 0.01 | 0.12 | 1.6 | 1.6 | 0.11 | 0.38 | 0.45 | — | 2,493 | 2,493 | 0.05 | 0.16 | 1.4 | 2,545 |
| Mit. | 1.7 | 1.7 | 4.2 | 8.9 | 0.01 | 0.05 | 1.6 | 1.6 | 0.04 | 0.38 | 0.42 | — | 2,493 | 2,493 | 0.05 | 0.16 | 1.4 | 2,545 |
| % Reduced | 65% | 66% | -8% | -8% | — | 57% | — | 2% | 59% | — | 7% | — | — | — | — | — | — | — |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 5.0 | 4.2 | 26 | 65 | 0.11 | 0.64 | 11 | 12 | 0.54 | 2.7 | 3.3 | — | 20,491 | 20,491 | 0.40 | 1.1 | 30 | 20,844 |
| 2032 | 85 | 84 | 32 | 82 | 0.12 | 0.81 | 13 | 14 | 0.70 | 3.2 | 3.9 | — | 23,766 | 23,766 | 0.49 | 1.1 | 30 | 24,129 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 6.7 | 5.6 | 43 | 57 | 0.13 | 1.9 | 11 | 12 | 1.8 | 2.7 | 3.9 | — | 19,793 | 19,793 | 0.54 | 1.3 | 0.78 | 20,202 |
| 2032 | 85 | 84 | 33 | 72 | 0.12 | 0.81 | 13 | 14 | 0.70 | 3.2 | 3.9 | — | 22,926 | 22,926 | 0.51 | 1.1 | 0.77 | 23,260 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 3.8 | 3.2 | 22 | 41 | 0.08 | 0.67 | 7.1 | 7.7 | 0.59 | 1.8 | 2.4 | — | 13,267 | 13,267 | 0.32 | 0.78 | 7.3 | 13,514 |
| 2032 | 28 | 27 | 20 | 46 | 0.08 | 0.49 | 8.5 | 9.0 | 0.42 | 2.1 | 2.5 | — | 15,060 | 15,060 | 0.33 | 0.98 | 8.5 | 15,370 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 0.69 | 0.58 | 3.9 | 7.4 | 0.01 | 0.12 | 1.3 | 1.4 | 0.11 | 0.33 | 0.44 | — | 2,197 | 2,197 | 0.05 | 0.13 | 1.2 | 2,237 |
| 2032 | 5.1 | 4.9 | 3.7 | 8.3 | 0.01 | 0.09 | 1.6 | 1.6 | 0.08 | 0.38 | 0.45 | — | 2,493 | 2,493 | 0.05 | 0.16 | 1.4 | 2,545 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 3.6 | 3.1 | 29 | 70 | 0.11 | 0.35 | 11 | 12 | 0.29 | 2.7 | 3.0 | — | 20,491 | 20,491 | 0.40 | 1.1 | 30 | 20,844 |
| 2032 | 27 | 27 | 37 | 87 | 0.12 | 0.48 | 13 | 14 | 0.40 | 3.2 | 3.6 | — | 23,766 | 23,766 | 0.49 | 1.1 | 30 | 24,129 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 3.5 | 3.0 | 38 | 71 | 0.13 | 0.35 | 11 | 12 | 0.33 | 2.7 | 3.0 | — | 19,793 | 19,793 | 0.54 | 1.3 | 0.78 | 20,202 |
| 2032 | 27 | 27 | 38 | 77 | 0.12 | 0.48 | 13 | 14 | 0.40 | 3.2 | 3.6 | — | 22,926 | 22,926 | 0.51 | 1.1 | 0.77 | 23,260 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 2.2 | 1.9 | 22 | 46 | 0.08 | 0.25 | 7.1 | 7.3 | 0.21 | 1.8 | 2.0 | — | 13,267 | 13,267 | 0.32 | 0.78 | 7.3 | 13,514 |
| 2032 | 9.6 | 9.2 | 23 | 49 | 0.08 | 0.29 | 8.5 | 8.8 | 0.24 | 2.1 | 2.3 | — | 15,060 | 15,060 | 0.33 | 0.98 | 8.5 | 15,370 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2031 | 0.40 | 0.35 | 4.1 | 8.4 | 0.01 | 0.05 | 1.3 | 1.3 | 0.04 | 0.33 | 0.37 | — | 2,197 | 2,197 | 0.05 | 0.13 | 1.2 | 2,237 |
| 2032 | 1.7 | 1.7 | 4.2 | 8.9 | 0.01 | 0.05 | 1.6 | 1.6 | 0.04 | 0.38 | 0.42 | — | 2,493 | 2,493 | 0.05 | 0.16 | 1.4 | 2,545 |

# 3. Construction Emissions Details

## 3.1. Remedial Grading (2031) - 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 | 6.5 | 5.5 | 42 | 52 | 0.12 | 1.9 | — | 1.9 | 1.8 | — | 1.8 | — | 12,937 | 12,937 | 0.52 | 0.10 | — | 12,981 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 1.1 | 0.90 | 7.0 | 8.5 | 0.02 | 0.31 | — | 0.31 | 0.29 | — | 0.29 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.20 | 0.16 | 1.3 | 1.6 | < 0.005 | 0.06 | — | 0.06 | 0.05 | — | 0.05 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.11 | 0.10 | 0.09 | 1.3 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 407 | 407 | < 0.005 | 0.02 | 0.02 | 412 |
| Vendor | 0.03 | 0.02 | 0.84 | 0.28 | 0.01 | 0.01 | 0.27 | 0.28 | 0.01 | 0.07 | 0.08 | — | 820 | 820 | 0.01 | 0.12 | 0.04 | 857 |
| 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 | 0.02 | 0.02 | 0.02 | 0.23 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 68 | 68 | < 0.005 | < 0.005 | 0.07 | 69 |
| Vendor | 0.01 | < 0.005 | 0.14 | 0.05 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | < 0.005 | 0.02 | 0.10 | 141 |
| 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11 | 11 | < 0.005 | < 0.005 | 0.01 | 11 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 22 | 22 | < 0.005 | < 0.005 | 0.02 | 23 |
| 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 |

## 3.2. Remedial Grading (2031) - 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 | 1.6 | 1.6 | 37 | 69 | 0.12 | 0.33 | — | 0.33 | 0.32 | — | 0.32 | — | 12,937 | 12,937 | 0.52 | 0.10 | — | 12,981 |
| Dust From Material Movement | — | — | — | — | — | — | 5.2 | 5.2 | — | 1.9 | 1.9 | — | — | — | — | — | — | — |
| 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 | 0.26 | 0.26 | 6.1 | 11 | 0.02 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 2,127 | 2,127 | 0.09 | 0.02 | — | 2,134 |
| Dust From Material Movement | — | — | — | — | — | — | 0.85 | 0.85 | — | 0.32 | 0.32 | — | — | — | — | — | — | — |
| 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 | 0.05 | 1.1 | 2.1 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 352 | 352 | 0.01 | < 0.005 | — | 353 |
| Dust From Material Movement | — | — | — | — | — | — | 0.16 | 0.16 | — | 0.06 | 0.06 | — | — | — | — | — | — | — |
| 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 | 0.11 | 0.10 | 0.09 | 1.3 | 0.00 | 0.00 | 0.46 | 0.46 | 0.00 | 0.11 | 0.11 | — | 407 | 407 | < 0.005 | 0.02 | 0.02 | 412 |
| Vendor | 0.03 | 0.02 | 0.84 | 0.28 | 0.01 | 0.01 | 0.27 | 0.28 | 0.01 | 0.07 | 0.08 | — | 820 | 820 | 0.01 | 0.12 | 0.04 | 857 |
| 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 | 0.02 | 0.02 | 0.02 | 0.23 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.02 | 0.02 | — | 68 | 68 | < 0.005 | < 0.005 | 0.07 | 69 |
| Vendor | 0.01 | < 0.005 | 0.14 | 0.05 | < 0.005 | < 0.005 | 0.04 | 0.05 | < 0.005 | 0.01 | 0.01 | — | 135 | 135 | < 0.005 | 0.02 | 0.10 | 141 |
| 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 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 11 | 11 | < 0.005 | < 0.005 | 0.01 | 11 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 22 | 22 | < 0.005 | < 0.005 | 0.02 | 23 |
| 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 |

## 3.3. Building Construction (2031) - 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 | 2.4 | 2.0 | 18 | 28 | 0.05 | 0.53 | — | 0.53 | 0.49 | — | 0.49 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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-Roa Equipment | 2.4 | 2.0 | 18 | 28 | 0.05 | 0.53 | — | 0.53 | 0.49 | — | 0.49 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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-Roa d Equipm ent | 1.3 | 1.1 | 9.6 | 15 | 0.03 | 0.29 | — | 0.29 | 0.27 | — | 0.27 | — | 2,892 | 2,892 | 0.12 | 0.02 | — | 2,902 |
| 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-Roa d Equipm ent | 0.24 | 0.20 | 1.8 | 2.8 | 0.01 | 0.05 | — | 0.05 | 0.05 | — | 0.05 | — | 479 | 479 | 0.02 | < 0.005 | — | 480 |
| 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 | 2.4 | 2.1 | 1.8 | 35 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,837 | 8,837 | 0.08 | 0.05 | 19 | 8,871 |
| Vendor | 0.27 | 0.15 | 6.3 | 2.1 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,395 | 6,395 | 0.11 | 0.96 | 11 | 6,696 |
| 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 | 2.3 | 1.9 | 1.8 | 27 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,133 | 8,133 | 0.09 | 0.33 | 0.48 | 8,234 |
| Vendor | 0.26 | 0.14 | 6.6 | 2.2 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,401 | 6,401 | 0.11 | 0.96 | 0.29 | 6,691 |
| 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 | 1.2 | 1.1 | 1.2 | 15 | 0.00 | 0.00 | 5.0 | 5.0 | 0.00 | 1.2 | 1.2 | — | 4,528 | 4,528 | 0.05 | 0.18 | 4.4 | 4,588 |
| Vendor | 0.15 | 0.08 | 3.6 | 1.2 | 0.03 | 0.06 | 1.1 | 1.2 | 0.03 | 0.31 | 0.34 | — | 3,518 | 3,518 | 0.06 | 0.53 | 2.7 | 3,680 |
| 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 | 0.23 | 0.19 | 0.21 | 2.8 | 0.00 | 0.00 | 0.91 | 0.91 | 0.00 | 0.21 | 0.21 | — | 750 | 750 | 0.01 | 0.03 | 0.73 | 760 |
| Vendor | 0.03 | 0.01 | 0.66 | 0.22 | 0.01 | 0.01 | 0.21 | 0.22 | 0.01 | 0.06 | 0.06 | — | 582 | 582 | 0.01 | 0.09 | 0.45 | 609 |
| 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 |

## 3.4. Building Construction (2031) - 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.51 | 0.49 | 11 | 18 | 0.03 | 0.13 | — | 0.13 | 0.13 | — | 0.13 | — | 2,892 | 2,892 | 0.12 | 0.02 | — | 2,902 |
| 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 | 0.09 | 2.1 | 3.2 | 0.01 | 0.02 | — | 0.02 | 0.02 | — | 0.02 | — | 479 | 479 | 0.02 | < 0.005 | — | 480 |
| 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 | 2.4 | 2.1 | 1.8 | 35 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,837 | 8,837 | 0.08 | 0.05 | 19 | 8,871 |
| Vendor | 0.27 | 0.15 | 6.3 | 2.1 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,395 | 6,395 | 0.11 | 0.96 | 11 | 6,696 |
| 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 | 2.3 | 1.9 | 1.8 | 27 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,133 | 8,133 | 0.09 | 0.33 | 0.48 | 8,234 |
| Vendor | 0.26 | 0.14 | 6.6 | 2.2 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,401 | 6,401 | 0.11 | 0.96 | 0.29 | 6,691 |
| 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 | 1.2 | 1.1 | 1.2 | 15 | 0.00 | 0.00 | 5.0 | 5.0 | 0.00 | 1.2 | 1.2 | — | 4,528 | 4,528 | 0.05 | 0.18 | 4.4 | 4,588 |
| Vendor | 0.15 | 0.08 | 3.6 | 1.2 | 0.03 | 0.06 | 1.1 | 1.2 | 0.03 | 0.31 | 0.34 | — | 3,518 | 3,518 | 0.06 | 0.53 | 2.7 | 3,680 |
| 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 | 0.23 | 0.19 | 0.21 | 2.8 | 0.00 | 0.00 | 0.91 | 0.91 | 0.00 | 0.21 | 0.21 | — | 750 | 750 | 0.01 | 0.03 | 0.73 | 760 |
| Vendor | 0.03 | 0.01 | 0.66 | 0.22 | 0.01 | 0.01 | 0.21 | 0.22 | 0.01 | 0.06 | 0.06 | — | 582 | 582 | 0.01 | 0.09 | 0.45 | 609 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

## 3.5. Building Construction (2032) - 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 | 2.3 | 1.9 | 17 | 28 | 0.05 | 0.49 | — | 0.49 | 0.45 | — | 0.45 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 2.3 | 1.9 | 17 | 28 | 0.05 | 0.49 | — | 0.49 | 0.45 | — | 0.45 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 1.7 | 1.4 | 12 | 20 | 0.04 | 0.35 | — | 0.35 | 0.32 | — | 0.32 | — | 3,767 | 3,767 | 0.15 | 0.03 | — | 3,780 |
| 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 Equipm | 0.30 | 0.25 | 2.2 | 3.6 | 0.01 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 624 | 624 | 0.03 | 0.01 | — | 626 |
| 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 | 2.3 | 1.9 | 1.5 | 33 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,707 | 8,707 | 0.08 | 0.05 | 16 | 8,739 |
| Vendor | 0.27 | 0.15 | 6.0 | 2.1 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,184 | 6,184 | 0.11 | 0.96 | 9.7 | 6,483 |
| 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 | 2.2 | 1.9 | 1.8 | 25 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,015 | 8,015 | 0.09 | 0.05 | 0.42 | 8,031 |
| Vendor | 0.26 | 0.14 | 6.4 | 2.2 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,189 | 6,189 | 0.11 | 0.96 | 0.25 | 6,479 |
| 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 | 1.6 | 1.3 | 1.3 | 19 | 0.00 | 0.00 | 6.5 | 6.5 | 0.00 | 1.5 | 1.5 | — | 5,812 | 5,812 | 0.07 | 0.24 | 5.1 | 5,890 |
| Vendor | 0.19 | 0.10 | 4.6 | 1.5 | 0.04 | 0.08 | 1.5 | 1.5 | 0.04 | 0.41 | 0.44 | — | 4,431 | 4,431 | 0.08 | 0.69 | 3.0 | 4,641 |
| 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 | 0.28 | 0.24 | 0.23 | 3.5 | 0.00 | 0.00 | 1.2 | 1.2 | 0.00 | 0.28 | 0.28 | — | 962 | 962 | 0.01 | 0.04 | 0.84 | 975 |
| Vendor | 0.04 | 0.02 | 0.83 | 0.28 | 0.01 | 0.01 | 0.27 | 0.28 | 0.01 | 0.07 | 0.08 | — | 734 | 734 | 0.01 | 0.11 | 0.50 | 768 |
| 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 |

## 3.6. Building Construction (2032) - 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.93 | 0.89 | 21 | 32 | 0.05 | 0.24 | — | 0.24 | 0.23 | — | 0.23 | — | 5,259 | 5,259 | 0.21 | 0.04 | — | 5,277 |
| 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 | 0.66 | 0.64 | 15 | 23 | 0.04 | 0.17 | — | 0.17 | 0.17 | — | 0.17 | — | 3,767 | 3,767 | 0.15 | 0.03 | — | 3,780 |
| 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 | 0.12 | 0.12 | 2.7 | 4.2 | 0.01 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 624 | 624 | 0.03 | 0.01 | — | 626 |
| 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 | 2.3 | 1.9 | 1.5 | 33 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,707 | 8,707 | 0.08 | 0.05 | 16 | 8,739 |
| Vendor | 0.27 | 0.15 | 6.0 | 2.1 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,184 | 6,184 | 0.11 | 0.96 | 9.7 | 6,483 |
| 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 | 2.2 | 1.9 | 1.8 | 25 | 0.00 | 0.00 | 9.1 | 9.1 | 0.00 | 2.1 | 2.1 | — | 8,015 | 8,015 | 0.09 | 0.05 | 0.42 | 8,031 |
| Vendor | 0.26 | 0.14 | 6.4 | 2.2 | 0.05 | 0.11 | 2.1 | 2.2 | 0.05 | 0.57 | 0.63 | — | 6,189 | 6,189 | 0.11 | 0.96 | 0.25 | 6,479 |
| 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 | 1.6 | 1.3 | 1.3 | 19 | 0.00 | 0.00 | 6.5 | 6.5 | 0.00 | 1.5 | 1.5 | — | 5,812 | 5,812 | 0.07 | 0.24 | 5.1 | 5,890 |
| Vendor | 0.19 | 0.10 | 4.6 | 1.5 | 0.04 | 0.08 | 1.5 | 1.5 | 0.04 | 0.41 | 0.44 | — | 4,431 | 4,431 | 0.08 | 0.69 | 3.0 | 4,641 |
| 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 | 0.28 | 0.24 | 0.23 | 3.5 | 0.00 | 0.00 | 1.2 | 1.2 | 0.00 | 0.28 | 0.28 | — | 962 | 962 | 0.01 | 0.04 | 0.84 | 975 |
| Vendor | 0.04 | 0.02 | 0.83 | 0.28 | 0.01 | 0.01 | 0.27 | 0.28 | 0.01 | 0.07 | 0.08 | — | 734 | 734 | 0.01 | 0.11 | 0.50 | 768 |
| 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 |

## 3.7. Paving (2032) - 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 Equipm | 0.72 | 0.61 | 6.0 | 9.9 | 0.01 | 0.20 | — | 0.20 | 0.18 | — | 0.18 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.6 | 1.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.72 | 0.61 | 6.0 | 9.9 | 0.01 | 0.20 | — | 0.20 | 0.18 | — | 0.18 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.6 | 1.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.22 | 0.18 | 1.8 | 3.0 | < 0.005 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 455 | 455 | 0.02 | < 0.005 | — | 457 |
| Paving | 0.48 | 0.48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.33 | 0.54 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 75 | 75 | < 0.005 | < 0.005 | — | 76 |
| Paving | 0.09 | 0.09 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 0.04 | 0.03 | 0.71 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 187 | 187 | < 0.005 | < 0.005 | 0.35 | 187 |
| 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 | 0.05 | 0.04 | 0.04 | 0.53 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 172 | 172 | < 0.005 | < 0.005 | 0.01 | 172 |
| 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 | 0.01 | 0.01 | 0.01 | 0.17 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 52 | 52 | < 0.005 | < 0.005 | 0.05 | 53 |
| 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 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.7 | 8.7 | < 0.005 | < 0.005 | 0.01 | 8.8 |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.8. Paving (2032) - 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 Equipm | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.6 | 1.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.23 | 0.23 | 7.2 | 11 | 0.01 | 0.09 | — | 0.09 | 0.08 | — | 0.08 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,516 |
| Paving | 1.6 | 1.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.07 | 0.07 | 2.2 | 3.2 | < 0.005 | 0.03 | — | 0.03 | 0.02 | — | 0.02 | — | 455 | 455 | 0.02 | < 0.005 | — | 457 |
| Paving | 0.48 | 0.48 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.40 | 0.58 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 75 | 75 | < 0.005 | < 0.005 | — | 76 |
| Paving | 0.09 | 0.09 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 0.04 | 0.03 | 0.71 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 187 | 187 | < 0.005 | < 0.005 | 0.35 | 187 |
| 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 | 0.05 | 0.04 | 0.04 | 0.53 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 172 | 172 | < 0.005 | < 0.005 | 0.01 | 172 |
| 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 | 0.01 | 0.01 | 0.01 | 0.17 | 0.00 | 0.00 | 0.06 | 0.06 | 0.00 | 0.01 | 0.01 | — | 52 | 52 | < 0.005 | < 0.005 | 0.05 | 53 |
| 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 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.7 | 8.7 | < 0.005 | < 0.005 | 0.01 | 8.8 |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## 3.9. Architectural Coating (2032) - 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 Equipm | 0.15 | 0.12 | 1.0 | 1.5 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 78 | 78 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.12 | 1.0 | 1.5 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 78 | 78 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.05 | 0.04 | 0.31 | 0.44 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 54 | 54 | < 0.005 | < 0.005 | — | 54 |
| Architectural Coatings | 23 | 23 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.06 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | — | 8.9 |
| Architectural Coatings | 4.3 | 4.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.45 | 0.39 | 0.30 | 6.6 | 0.00 | 0.00 | 1.8 | 1.8 | 0.00 | 0.43 | 0.43 | — | 1,741 | 1,741 | 0.02 | 0.01 | 3.3 | 1,748 |
| 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 | 0.44 | 0.37 | 0.36 | 5.0 | 0.00 | 0.00 | 1.8 | 1.8 | 0.00 | 0.43 | 0.43 | — | 1,603 | 1,603 | 0.02 | 0.01 | 0.08 | 1,606 |
| 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 | 0.13 | 0.11 | 0.11 | 1.6 | 0.00 | 0.00 | 0.54 | 0.54 | 0.00 | 0.13 | 0.13 | — | 489 | 489 | 0.01 | 0.02 | 0.43 | 496 |
| 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 | 0.02 | 0.02 | 0.02 | 0.29 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 81 | 81 | < 0.005 | < 0.005 | 0.07 | 82 |
| 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 |

## 3.10. Architectural Coating (2032) - 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 21 | 21 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.03 | 0.03 | 1.4 | 1.3 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 178 | 178 | 0.01 | < 0.005 | — | 179 |
| Architectural Coatings | 21 | 21 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.01 | 0.43 | 0.39 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 54 | 54 | < 0.005 | < 0.005 | — | 54 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architect Coatings | 6.4 | 6.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.08 | 0.07 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 8.9 | 8.9 | < 0.005 | < 0.005 | — | 8.9 |
| Architectural Coatings | 1.2 | 1.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.45 | 0.39 | 0.30 | 6.6 | 0.00 | 0.00 | 1.8 | 1.8 | 0.00 | 0.43 | 0.43 | — | 1,741 | 1,741 | 0.02 | 0.01 | 3.3 | 1,748 |
| 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 | 0.44 | 0.37 | 0.36 | 5.0 | 0.00 | 0.00 | 1.8 | 1.8 | 0.00 | 0.43 | 0.43 | — | 1,603 | 1,603 | 0.02 | 0.01 | 0.08 | 1,606 |
| 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 | 0.13 | 0.11 | 0.11 | 1.6 | 0.00 | 0.00 | 0.54 | 0.54 | 0.00 | 0.13 | 0.13 | — | 489 | 489 | 0.01 | 0.02 | 0.43 | 496 |
| 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 | 0.02 | 0.02 | 0.02 | 0.29 | 0.00 | 0.00 | 0.10 | 0.10 | 0.00 | 0.02 | 0.02 | — | 81 | 81 | < 0.005 | < 0.005 | 0.07 | 82 |
| 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

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|
| Remedial Grading | Grading | 1/1/2031 | 3/25/2031 | 5.0 | 60 | — |
| Building Construction | Building Construction | 3/26/2031 | 12/31/2032 | 5.0 | 463 | — |
| Paving | Paving | 7/31/2032 | 12/31/2032 | 5.0 | 110 | — |
| Architectural Coating | Architectural Coating | 7/31/2032 | 12/31/2032 | 5.0 | 110 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Average | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Average | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Average | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Average | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Average | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Average | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Average | 2.0 | 8.0 | 367 | 0.29 |
| Building Construction | Welders | Diesel | Average | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Average | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Average | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Average | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Average | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Average | 1.00 | 8.0 | 37 | 0.48 |

### 5.2.2. Mitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|---|---|---|---|---|---|---|---|
| Remedial Grading | Graders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 148 | 0.41 |
| Remedial Grading | Excavators | Diesel | Tier 4 Interim | 3.0 | 8.0 | 36 | 0.38 |
| Remedial Grading | Scrapers | Diesel | Tier 4 Interim | 4.0 | 8.0 | 423 | 0.48 |
| Remedial Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.40 |
| Remedial Grading | Crawler Tractors | Diesel | Tier 4 Interim | 3.0 | 8.0 | 87 | 0.43 |
| Building Construction | Forklifts | Diesel | Tier 4 Interim | 6.0 | 8.0 | 82 | 0.20 |
| Building Construction | Generator Sets | Diesel | Average | 2.0 | 8.0 | 14 | 0.74 |
| Building Construction | Cranes | Diesel | Tier 4 Interim | 2.0 | 8.0 | 367 | 0.29 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Building Construction | Welders | Diesel | Tier 4 Interim | 2.0 | 8.0 | 46 | 0.45 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 6.0 | 8.0 | 84 | 0.37 |
| Paving | Pavers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 81 | 0.42 |
| Paving | Paving Equipment | Diesel | Tier 4 Interim | 2.0 | 8.0 | 89 | 0.36 |
| Paving | Rollers | Diesel | Tier 4 Interim | 2.0 | 8.0 | 36 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Tier 4 Interim | 1.00 | 8.0 | 37 | 0.48 |

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 31 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 700 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 242 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 140 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

### 5.3.2. Mitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|---|---|---|---|---|
| Remedial Grading | Worker | 35 | 19 | LDA,LDT1,LDT2 |
| Remedial Grading | Vendor | 31 | 10 | HHDT,MHDT |
| Remedial Grading | Hauling | 0.00 | 20 | HHDT |
| Remedial Grading | Onsite truck | — | — | HHDT |
| Building Construction | Worker | 700 | 19 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 242 | 10 | HHDT,MHDT |
| Building Construction | Hauling | 0.00 | 20 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | Worker | 15 | 19 | LDA,LDT1,LDT2 |
| Paving | Vendor | 0.00 | 10 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | Worker | 140 | 19 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | 0.00 | 10 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 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) |
|---|---|---|---|---|---|
| Architectural Coating | 0.00 | 0.00 | 2,499,458 | 833,153 | 174,319 |

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (sq. ft.) | Acres Paved (acres) |
|---|---|---|---|---|---|
| Remedial Grading | — | — | 450 | 0.00 | 0.00 |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 67 |

### 5.6.2. Construction Earthmoving Control Strategies

| Control Strategies Applied | Frequency (per day) | PM10 Reduction | PM2.5 Reduction |
|---|---|---|---|
| Water Exposed Area | 3 | 74% | 74% |

## 5.7. Construction Paving

| Phase Name | Land Use | Area Paved (acres) | % Asphalt |
|---|---|---|---|
| Paving | Unrefrigerated Warehouse-No Rail | 0.00 | 0% |
| Paving | Parking Lot | 18 | 100% |
| Paving | Other Asphalt Surfaces | 49 | 100% |

## 5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|---|---|---|---|---|
| 2031 | 0.00 | 532 | 0.03 | < 0.005 |
| 2032 | 0.00 | 532 | 0.03 | < 0.005 |

## 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 | 31 | annual days of extreme heat |
| Extreme Precipitation | 5.3 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 98 |
| AQ-PM | 37 |
| AQ-DPM | 2.9 |
| Drinking Water | 59 |
| Lead Risk Housing | 0.37 |

| | |
|---|---|
| Pesticides | 24 |
| Toxic Releases | 25 |
| Traffic | 81 |
| Effect Indicators | — |
| CleanUp Sites | 17 |
| Groundwater | 60 |
| Haz Waste Facilities/Generators | 68 |
| Impaired Water Bodies | 12 |
| Solid Waste | 95 |
| Sensitive Population | — |
| Asthma | 82 |
| Cardio-vascular | 93 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 20 |
| Housing | 30 |
| Linguistic | 9.5 |
| Poverty | 30 |
| Unemployment | 94 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |

| | |
|---|---|
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |

| | |
|---|---|
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67 |
| Healthy Places Index Score for Project Location (b) | 33 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

## 8.1. Justifications

| Screen | Justification |
|---|---|
| Construction: Construction Phases | Construction schedule based on data provided by the applicant. |

| | |
|---|---|
| Construction: Off-Road Equipment | Crawler tractors assumed during grading in lieu of tractors/loaders/backhoes in order to account for fugitive dust. All equipment assumed to operate 8 hours per day. |
| Construction: Trips and VMT | Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Remedial Grading and Building Construction. |
| Construction: Architectural Coatings | Rule 1113 limits |

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# APPENDIX 3.2:

# CALEEMOD PROJECT REGIONAL OPERATIONAL EMISSIONS MODEL OUTPUTS – OPTION A

# 15718 Beaumont Heights Option A (Phase 1) Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option A (Phase 1) |
| Operational Year | 2028 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 192 | 1000sqft | 4.42 | 192,487 | 132,640 | — | — | High-Cube Fulfillment (Non-Sort) |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 192 | 1000sqft | 4.42 | 192,487 | 132,640 | — | — | High-Cube Fulfillment (Sort) |
| Parking Lot | 822 | Space | 7.40 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 29.6 | Acre | 29.6 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 642 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Cars |
| Unrefrigerated Warehouse-No Rail | 257 | 1000sqft | 5.89 | 256,648 | 132,640 | — | — | Warehousing |

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

No measures selected

# 2. Emissions Summary

## 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. | 31.9 | 29.5 | 59.7 | 167 | 0.87 | 1.23 | 50.7 | 51.9 | 1.17 | 13.1 | 14.2 | 330 | 94,109 | 94,439 | 34.9 | 9.64 | 232 | 98,416 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 26.6 | 24.6 | 62.3 | 114 | 0.84 | 1.18 | 50.7 | 51.8 | 1.13 | 13.1 | 14.2 | 330 | 91,649 | 91,978 | 35.0 | 9.69 | 6.01 | 95,745 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 28.4 | 26.4 | 54.0 | 124 | 0.74 | 1.01 | 44.2 | 45.2 | 0.95 | 11.4 | 12.4 | 330 | 80,805 | 81,134 | 34.7 | 8.40 | 87.7 | 84,595 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.18 | 4.82 | 9.85 | 22.7 | 0.13 | 0.18 | 8.07 | 8.25 | 0.17 | 2.08 | 2.26 | 54.6 | 13,378 | 13,433 | 5.75 | 1.39 | 14.5 | 14,006 |

## 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 | 10.8 | 8.80 | 58.1 | 138 | 0.86 | 1.11 | 50.7 | 51.8 | 1.06 | 13.1 | 14.1 | — | 90,570 | 90,570 | 1.68 | 9.59 | 232 | 93,701 |
| Area | 20.6 | 20.2 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 3,069 | 3,069 | 0.29 | 0.04 | — | 3,086 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Stationary | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Total | 31.9 | 29.5 | 59.7 | 167 | 0.87 | 1.23 | 50.7 | 51.9 | 1.17 | 13.1 | 14.2 | 330 | 94,109 | 94,439 | 34.9 | 9.64 | 232 | 98,416 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 10.4 | 8.49 | 61.0 | 113 | 0.84 | 1.11 | 50.7 | 51.8 | 1.06 | 13.1 | 14.1 | — | 88,225 | 88,225 | 1.70 | 9.64 | 6.01 | 91,145 |
| Area | 15.6 | 15.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 3,069 | 3,069 | 0.29 | 0.04 | — | 3,086 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Stationary | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Total | 26.6 | 24.6 | 62.3 | 114 | 0.84 | 1.18 | 50.7 | 51.8 | 1.13 | 13.1 | 14.2 | 330 | 91,649 | 91,978 | 35.0 | 9.69 | 6.01 | 95,745 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.29 | 7.58 | 53.6 | 105 | 0.74 | 0.96 | 44.2 | 45.2 | 0.92 | 11.4 | 12.3 | — | 77,519 | 77,519 | 1.50 | 8.35 | 87.7 | 80,134 |
| Area | 19.0 | 18.8 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 78.6 | 78.6 | < 0.005 | < 0.005 | — | 78.9 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 3,069 | 3,069 | 0.29 | 0.04 | — | 3,086 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Stationary | 0.07 | 0.07 | 0.19 | 0.17 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 34.5 | 34.5 | < 0.005 | < 0.005 | 0.00 | 34.6 |
| Total | 28.4 | 26.4 | 54.0 | 124 | 0.74 | 1.01 | 44.2 | 45.2 | 0.95 | 11.4 | 12.4 | 330 | 80,805 | 81,134 | 34.7 | 8.40 | 87.7 | 84,595 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.70 | 1.38 | 9.79 | 19.2 | 0.13 | 0.18 | 8.07 | 8.24 | 0.17 | 2.08 | 2.25 | — | 12,834 | 12,834 | 0.25 | 1.38 | 14.5 | 13,267 |
| Area | 3.47 | 3.42 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 508 | 508 | 0.05 | 0.01 | — | 511 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.74 | 17.2 | 17.9 | 0.08 | < 0.005 | — | 20.5 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |
| Stationary | 0.01 | 0.01 | 0.03 | 0.03 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.00 | 5.73 |
| Total | 5.18 | 4.82 | 9.85 | 22.7 | 0.13 | 0.18 | 8.07 | 8.25 | 0.17 | 2.08 | 2.26 | 54.6 | 13,378 | 13,433 | 5.75 | 1.39 | 14.5 | 14,006 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 1.99 | 1.02 | 52.6 | 12.4 | 0.56 | 1.00 | 19.6 | 20.6 | 0.95 | 5.23 | 6.19 | — | 59,965 | 59,965 | 0.87 | 8.99 | 149 | 62,816 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 8.76 | 7.78 | 5.44 | 125 | 0.30 | 0.12 | 31.1 | 31.2 | 0.11 | 7.84 | 7.95 | — | 30,605 | 30,605 | 0.81 | 0.60 | 82.6 | 30,885 |
| Total | 10.8 | 8.80 | 58.1 | 138 | 0.86 | 1.11 | 50.7 | 51.8 | 1.06 | 13.1 | 14.1 | — | 90,570 | 90,570 | 1.68 | 9.59 | 232 | 93,701 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 1.98 | 1.00 | 54.9 | 12.4 | 0.56 | 1.00 | 19.6 | 20.6 | 0.95 | 5.23 | 6.19 | — | 59,971 | 59,971 | 0.87 | 9.00 | 3.87 | 62,678 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 8.45 | 7.49 | 6.05 | 100 | 0.28 | 0.12 | 31.1 | 31.2 | 0.11 | 7.84 | 7.95 | — | 28,253 | 28,253 | 0.82 | 0.64 | 2.14 | 28,467 |
| Total | 10.4 | 8.49 | 61.0 | 113 | 0.84 | 1.11 | 50.7 | 51.8 | 1.06 | 13.1 | 14.1 | — | 88,225 | 88,225 | 1.70 | 9.64 | 6.01 | 91,145 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.31 | 0.16 | 8.76 | 1.95 | 0.09 | 0.16 | 3.04 | 3.20 | 0.15 | 0.81 | 0.96 | — | 8,567 | 8,567 | 0.12 | 1.29 | 9.19 | 8,963 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| User Defined Industrial | 1.38 | 1.22 | 1.03 | 17.2 | 0.05 | 0.02 | 5.02 | 5.04 | 0.02 | 1.27 | 1.29 | — | 4,267 | 4,267 | 0.12 | 0.10 | 5.32 | 4,305 |
| Total | 1.70 | 1.38 | 9.79 | 19.2 | 0.13 | 0.18 | 8.07 | 8.24 | 0.17 | 2.08 | 2.25 | — | 12,834 | 12,834 | 0.25 | 1.38 | 14.5 | 13,267 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,801 | 2,801 | 0.27 | 0.03 | — | 2,817 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 268 | 268 | 0.03 | < 0.005 | — | 269 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 3,069 | 3,069 | 0.29 | 0.04 | — | 3,086 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,801 | 2,801 | 0.27 | 0.03 | — | 2,817 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 268 | 268 | 0.03 | < 0.005 | — | 269 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 3,069 | 3,069 | 0.29 | 0.04 | — | 3,086 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 464 | 464 | 0.04 | 0.01 | — | 466 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 44.3 | 44.3 | < 0.005 | < 0.005 | — | 44.6 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 508 | 508 | 0.05 | 0.01 | — | 511 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.75 | 1.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 4.97 | 4.58 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Total | 20.6 | 20.2 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.75 | 1.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 15.6 | 15.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 2.53 | 2.53 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.32 | 0.32 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.62 | 0.57 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |
| Total | 3.47 | 3.42 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.74 | 17.2 | 17.9 | 0.08 | < 0.005 | — | 20.5 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 0.74 | 17.2 | 17.9 | 0.08 | < 0.005 | — | 20.5 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Total | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Total | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.01 | 0.01 | 0.03 | 0.03 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.00 | 5.73 |
| Total | 0.01 | 0.01 | 0.03 | 0.03 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.00 | 5.73 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 44.3 | 21.9 | 20.6 | 13,760 | 4,184 | 2,074 | 1,946 | 1,300,366 |
| Unrefrigerated Warehouse-No Rail | 37.0 | 31.6 | 31.4 | 12,917 | 3,490 | 2,981 | 2,963 | 1,219,789 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 1,792 | 1,183 | 1,164 | 589,562 | 44,627 | 29,448 | 28,984 | 14,681,727 |
| Unrefrigerated Warehouse-No Rail | 157 | 73.7 | 69.0 | 48,458 | 14,839 | 6,947 | 6,512 | 4,570,514 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

### 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) |
|---|---|---|---|---|
| 0 | 0.00 | 962,433 | 320,811 | 96,803 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

## 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) |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 885,893 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 885,893 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 282,297 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 1,181,184 | 346 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 775,017 | 5,887,038 |
| Unrefrigerated Warehouse-No Rail | 775,017 | 5,887,038 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 775,017 | 5,887,038 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 181 | — |
| Unrefrigerated Warehouse-No Rail | 181 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 241 | — |

## 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 |
|---|---|---|---|---|---|---|---|

## 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 |
|---|---|---|---|---|---|---|

## 5.16. 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |

### 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. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| 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) |
|---|---|---|---|

# 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |

| | | | | |
|---|---|---|---|---|
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |

| | |
|---|---|
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |

| | |
|---|---|
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |

# 15718 Beaumont Heights Option A (Phase 2) Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option A (Phase 2) |
| Operational Year | 2029 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 608 | 1000sqft | 14.0 | 608,300 | 360,938 | — | — | High-Cube Fulfillment (Non-Sort) |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 608 | 1000sqft | 14.0 | 608,300 | 360,938 | — | — | High-Cube Fulfillment (Sort) |
| Parking Lot | 2,324 | Space | 20.9 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 73.4 | Acre | 73.4 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 2,028 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Cars |
| Unrefrigerated Warehouse-No Rail | 811 | 1000sqft | 18.6 | 811,066 | 360,938 | — | — | Warehousing |

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

No measures selected

# 2. Emissions Summary

## 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. | 98.4 | 91.2 | 177 | 507 | 2.66 | 3.71 | 160 | 163 | 3.51 | 41.2 | 44.7 | 1,041 | 289,190 | 290,232 | 110 | 29.5 | 656 | 302,431 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 81.7 | 75.7 | 185 | 344 | 2.58 | 3.55 | 160 | 163 | 3.39 | 41.2 | 44.6 | 1,041 | 281,559 | 282,600 | 110 | 29.6 | 17.0 | 294,205 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 87.7 | 81.7 | 161 | 374 | 2.26 | 3.07 | 138 | 141 | 2.91 | 35.6 | 38.5 | 1,041 | 247,221 | 248,263 | 110 | 25.7 | 247 | 258,901 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 16.0 | 14.9 | 29.4 | 68.2 | 0.41 | 0.56 | 25.2 | 25.7 | 0.53 | 6.50 | 7.03 | 172 | 40,930 | 41,103 | 18.1 | 4.25 | 40.9 | 42,864 |

## 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 | 32.4 | 26.5 | 174 | 416 | 2.65 | 3.40 | 160 | 163 | 3.24 | 41.2 | 44.4 | — | 278,444 | 278,444 | 5.13 | 29.3 | 656 | 287,970 |
| Area | 64.9 | 63.7 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 9,608 | 9,608 | 0.92 | 0.11 | — | 9,664 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Stationary | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 98.4 | 91.2 | 177 | 507 | 2.66 | 3.71 | 160 | 163 | 3.51 | 41.2 | 44.7 | 1,041 | 289,190 | 290,232 | 110 | 29.5 | 656 | 302,431 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 31.4 | 25.6 | 182 | 341 | 2.58 | 3.40 | 160 | 163 | 3.24 | 41.2 | 44.5 | — | 271,175 | 271,175 | 5.17 | 29.5 | 17.0 | 280,107 |
| Area | 49.2 | 49.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 9,608 | 9,608 | 0.92 | 0.11 | — | 9,664 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Stationary | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 81.7 | 75.7 | 185 | 344 | 2.58 | 3.55 | 160 | 163 | 3.39 | 41.2 | 44.6 | 1,041 | 281,559 | 282,600 | 110 | 29.6 | 17.0 | 294,205 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 27.7 | 22.5 | 160 | 313 | 2.26 | 2.95 | 138 | 141 | 2.81 | 35.6 | 38.4 | — | 237,024 | 237,024 | 4.53 | 25.5 | 247 | 244,990 |
| Area | 59.9 | 59.1 | 0.51 | 60.4 | < 0.005 | 0.11 | — | 0.11 | 0.08 | — | 0.08 | — | 248 | 248 | 0.01 | < 0.005 | — | 249 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 9,608 | 9,608 | 0.92 | 0.11 | — | 9,664 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Stationary | 0.15 | 0.13 | 0.38 | 0.34 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 69.0 | 69.0 | < 0.005 | < 0.005 | 0.00 | 69.2 |
| Total | 87.7 | 81.7 | 161 | 374 | 2.26 | 3.07 | 138 | 141 | 2.91 | 35.6 | 38.5 | 1,041 | 247,221 | 248,263 | 110 | 25.7 | 247 | 258,901 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 5.05 | 4.10 | 29.2 | 57.1 | 0.41 | 0.54 | 25.2 | 25.7 | 0.51 | 6.50 | 7.01 | — | 39,242 | 39,242 | 0.75 | 4.23 | 40.9 | 40,561 |
| Area | 10.9 | 10.8 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 1,591 | 1,591 | 0.15 | 0.02 | — | 1,600 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 2.33 | 45.0 | 47.4 | 0.24 | 0.01 | — | 55.3 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |
| Stationary | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Total | 16.0 | 14.9 | 29.4 | 68.2 | 0.41 | 0.56 | 25.2 | 25.7 | 0.53 | 6.50 | 7.03 | 172 | 40,930 | 41,103 | 18.1 | 4.25 | 40.9 | 42,864 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 6.01 | 3.01 | 158 | 37.0 | 1.71 | 3.06 | 61.5 | 64.5 | 2.93 | 16.4 | 19.4 | — | 183,482 | 183,482 | 2.69 | 27.5 | 427 | 192,179 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 26.4 | 23.5 | 16.1 | 379 | 0.94 | 0.34 | 98.2 | 98.5 | 0.32 | 24.8 | 25.1 | — | 94,962 | 94,962 | 2.44 | 1.81 | 229 | 95,791 |
| Total | 32.4 | 26.5 | 174 | 416 | 2.65 | 3.40 | 160 | 163 | 3.24 | 41.2 | 44.4 | — | 278,444 | 278,444 | 5.13 | 29.3 | 656 | 287,970 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 5.95 | 2.96 | 164 | 37.0 | 1.71 | 3.06 | 61.5 | 64.5 | 2.93 | 16.4 | 19.4 | — | 183,500 | 183,500 | 2.69 | 27.5 | 11.1 | 191,784 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 25.5 | 22.6 | 17.9 | 304 | 0.87 | 0.34 | 98.2 | 98.5 | 0.32 | 24.8 | 25.1 | — | 87,675 | 87,675 | 2.48 | 1.95 | 5.94 | 88,323 |
| Total | 31.4 | 25.6 | 182 | 341 | 2.58 | 3.40 | 160 | 163 | 3.24 | 41.2 | 44.5 | — | 271,175 | 271,175 | 5.17 | 29.5 | 17.0 | 280,107 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.94 | 0.47 | 26.2 | 5.81 | 0.27 | 0.48 | 9.55 | 10.0 | 0.46 | 2.55 | 3.02 | — | 26,210 | 26,210 | 0.38 | 3.93 | 26.3 | 27,418 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| User Defined Industrial | 4.11 | 3.64 | 2.99 | 51.3 | 0.14 | 0.06 | 15.6 | 15.7 | 0.05 | 3.94 | 4.00 | — | 13,032 | 13,032 | 0.37 | 0.29 | 14.5 | 13,143 |
| Total | 5.05 | 4.10 | 29.2 | 57.1 | 0.41 | 0.54 | 25.2 | 25.7 | 0.51 | 6.50 | 7.01 | — | 39,242 | 39,242 | 0.75 | 4.23 | 40.9 | 40,561 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 8,851 | 8,851 | 0.84 | 0.10 | — | 8,903 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 757 | 757 | 0.07 | 0.01 | — | 761 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 9,608 | 9,608 | 0.92 | 0.11 | — | 9,664 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 8,851 | 8,851 | 0.84 | 0.10 | — | 8,903 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 757 | 757 | 0.07 | 0.01 | — | 761 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 9,608 | 9,608 | 0.92 | 0.11 | — | 9,664 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,465 | 1,465 | 0.14 | 0.02 | — | 1,474 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 125 | 125 | 0.01 | < 0.005 | — | 126 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 1,591 | 1,591 | 0.15 | 0.02 | — | 1,600 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 43.7 | 43.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.46 | 5.46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 15.7 | 14.5 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Total | 64.9 | 63.7 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer | 43.7 | 43.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.46 | 5.46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 49.2 | 49.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 7.98 | 7.98 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.00 | 1.00 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 1.96 | 1.81 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |
| Total | 10.9 | 10.8 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2.33 | 45.0 | 47.4 | 0.24 | 0.01 | — | 55.3 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2.33 | 45.0 | 47.4 | 0.24 | 0.01 | — | 55.3 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Total | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 140 | 69.3 | 65.1 | 43,486 | 13,221 | 6,553 | 6,151 | 4,109,433 |
| Unrefrigerated Warehouse-No Rail | 117 | 99.8 | 99.2 | 40,822 | 11,029 | 9,420 | 9,363 | 3,854,794 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 5,663 | 3,453 | 3,398 | 1,833,752 | 141,031 | 85,992 | 84,629 | 45,665,519 |
| Unrefrigerated Warehouse-No Rail | 492 | 230 | 215 | 151,318 | 46,428 | 21,682 | 20,303 | 14,293,523 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

### 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) |
|---|---|---|---|---|
| 0 | 0.00 | 3,041,499 | 1,013,833 | 246,504 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

## 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) |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 2,799,610 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 2,799,610 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 798,124 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 3,732,811 | 346 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 2,451,097 | 14,869,659 |
| Unrefrigerated Warehouse-No Rail | 2,451,097 | 14,869,659 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 2,451,097 | 14,869,659 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 572 | — |
| Unrefrigerated Warehouse-No Rail | 572 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 762 | — |

## 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 |
|---|---|---|---|---|---|---|---|

## 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 |
|---|---|---|---|---|---|---|

## 5.16. 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |

### 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. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| 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) |
|---|---|---|---|

# 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |

| | | | | |
|---|---|---|---|---|
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |

| | |
|---|---|
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |

| | |
|---|---|
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Characteristics: Project Details | — |

# 15718 Beaumont Heights Option A (Phase 3) Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option A (Phase 3) |
| Operational Year | 2030 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,055 | 1000sqft | 24.2 | 1,054,976 | 571,899 | — | — | High-Cube Fulfillment (Non-Sort) |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,055 | 1000sqft | 24.2 | 1,054,976 | 571,899 | — | — | High-Cube Fulfillment (Sort) |
| Parking Lot | 4,012 | Space | 36.1 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 106 | Acre | 106 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 3,517 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Cars |
| Unrefrigerated Warehouse-No Rail | 1,407 | 1000sqft | 32.3 | 1,406,634 | 571,899 | — | — | Warehousing |

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

No measures selected

# 2. Emissions Summary

## 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. | 168 | 156 | 292 | 850 | 4.49 | 6.21 | 276 | 283 | 5.87 | 71.3 | 77.2 | 1,806 | 484,017 | 485,824 | 191 | 49.5 | 1,016 | 506,362 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 139 | 129 | 305 | 572 | 4.36 | 5.94 | 276 | 282 | 5.67 | 71.3 | 77.0 | 1,806 | 471,004 | 472,810 | 191 | 49.7 | 26.3 | 492,432 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 151 | 141 | 266 | 638 | 3.85 | 5.18 | 243 | 248 | 4.90 | 62.6 | 67.5 | 1,806 | 416,627 | 418,434 | 190 | 43.2 | 385 | 436,430 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 27.5 | 25.7 | 48.5 | 116 | 0.70 | 0.94 | 44.3 | 45.2 | 0.89 | 11.4 | 12.3 | 299 | 68,977 | 69,276 | 31.4 | 7.15 | 63.8 | 72,256 |

## 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 | 53.8 | 43.9 | 286 | 693 | 4.47 | 5.72 | 276 | 282 | 5.45 | 71.3 | 76.8 | — | 469,785 | 469,785 | 8.59 | 49.2 | 1,016 | 485,685 |
| Area | 112 | 110 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 12,548 | 12,548 | 1.59 | 0.19 | — | 12,645 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Stationary | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Total | 168 | 156 | 292 | 850 | 4.49 | 6.21 | 276 | 283 | 5.87 | 71.3 | 77.2 | 1,806 | 484,017 | 485,824 | 191 | 49.5 | 1,016 | 506,362 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 52.2 | 42.4 | 300 | 568 | 4.35 | 5.72 | 276 | 282 | 5.45 | 71.3 | 76.8 | — | 457,400 | 457,400 | 8.65 | 49.5 | 26.3 | 472,387 |
| Area | 85.1 | 85.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 12,548 | 12,548 | 1.59 | 0.19 | — | 12,645 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Stationary | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Total | 139 | 129 | 305 | 572 | 4.36 | 5.94 | 276 | 282 | 5.67 | 71.3 | 77.0 | 1,806 | 471,004 | 472,810 | 191 | 49.7 | 26.3 | 492,432 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 46.8 | 38.1 | 264 | 533 | 3.84 | 4.96 | 243 | 248 | 4.73 | 62.6 | 67.3 | — | 403,245 | 403,245 | 7.67 | 42.9 | 385 | 416,607 |
| Area | 104 | 102 | 0.88 | 105 | 0.01 | 0.19 | — | 0.19 | 0.14 | — | 0.14 | — | 431 | 431 | 0.02 | < 0.005 | — | 432 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 12,548 | 12,548 | 1.59 | 0.19 | — | 12,645 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Stationary | 0.22 | 0.20 | 0.57 | 0.52 | < 0.005 | 0.03 | 0.00 | 0.03 | 0.03 | 0.00 | 0.03 | 0.00 | 104 | 104 | < 0.005 | < 0.005 | 0.00 | 104 |
| Total | 151 | 141 | 266 | 638 | 3.85 | 5.18 | 243 | 248 | 4.90 | 62.6 | 67.5 | 1,806 | 416,627 | 418,434 | 190 | 43.2 | 385 | 436,430 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 8.55 | 6.96 | 48.3 | 97.2 | 0.70 | 0.91 | 44.3 | 45.2 | 0.86 | 11.4 | 12.3 | — | 66,762 | 66,762 | 1.27 | 7.10 | 63.8 | 68,974 |
| Area | 18.9 | 18.7 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 2,077 | 2,077 | 0.26 | 0.03 | — | 2,094 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.13 | 49.6 | 53.8 | 0.43 | 0.01 | — | 67.7 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |
| Stationary | 0.04 | 0.04 | 0.10 | 0.09 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 17.1 | 17.1 | < 0.005 | < 0.005 | 0.00 | 17.2 |
| Total | 27.5 | 25.7 | 48.5 | 116 | 0.70 | 0.94 | 44.3 | 45.2 | 0.89 | 11.4 | 12.3 | 299 | 68,977 | 69,276 | 31.4 | 7.15 | 63.8 | 72,256 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 9.93 | 4.89 | 260 | 60.2 | 2.87 | 5.16 | 106 | 111 | 4.94 | 28.3 | 33.3 | — | 307,825 | 307,825 | 4.55 | 46.2 | 668 | 322,375 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 43.9 | 39.0 | 26.2 | 633 | 1.60 | 0.56 | 170 | 171 | 0.51 | 43.0 | 43.5 | — | 161,960 | 161,960 | 4.04 | 3.03 | 347 | 163,310 |
| Total | 53.8 | 43.9 | 286 | 693 | 4.47 | 5.72 | 276 | 282 | 5.45 | 71.3 | 76.8 | — | 469,785 | 469,785 | 8.59 | 49.2 | 1,016 | 485,685 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 9.83 | 4.80 | 271 | 60.2 | 2.87 | 5.16 | 106 | 111 | 4.94 | 28.3 | 33.3 | — | 307,858 | 307,858 | 4.55 | 46.2 | 17.3 | 321,761 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 42.4 | 37.6 | 29.2 | 508 | 1.48 | 0.56 | 170 | 171 | 0.51 | 43.0 | 43.5 | — | 149,543 | 149,543 | 4.11 | 3.26 | 9.01 | 150,625 |
| Total | 52.2 | 42.4 | 300 | 568 | 4.35 | 5.72 | 276 | 282 | 5.45 | 71.3 | 76.8 | — | 457,400 | 457,400 | 8.65 | 49.5 | 26.3 | 472,387 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 1.56 | 0.76 | 43.2 | 9.44 | 0.45 | 0.81 | 16.5 | 17.3 | 0.78 | 4.40 | 5.18 | — | 43,966 | 43,966 | 0.65 | 6.60 | 41.2 | 45,990 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| User Defined Industrial | 6.99 | 6.20 | 5.00 | 87.8 | 0.25 | 0.09 | 27.8 | 27.9 | 0.09 | 7.02 | 7.10 | — | 22,796 | 22,796 | 0.62 | 0.50 | 22.6 | 22,984 |
| Total | 8.55 | 6.96 | 48.3 | 97.2 | 0.70 | 0.91 | 44.3 | 45.2 | 0.86 | 11.4 | 12.3 | — | 66,762 | 66,762 | 1.27 | 7.10 | 63.8 | 68,974 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 11,564 | 11,564 | 1.46 | 0.18 | — | 11,653 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 984 | 984 | 0.12 | 0.02 | — | 992 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 12,548 | 12,548 | 1.59 | 0.19 | — | 12,645 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 11,564 | 11,564 | 1.46 | 0.18 | — | 11,653 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 984 | 984 | 0.12 | 0.02 | — | 992 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 12,548 | 12,548 | 1.59 | 0.19 | — | 12,645 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,914 | 1,914 | 0.24 | 0.03 | — | 1,929 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 163 | 163 | 0.02 | < 0.005 | — | 164 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,077 | 2,077 | 0.26 | 0.03 | — | 2,094 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 75.7 | 75.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.41 | 9.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 27.2 | 25.1 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Total | 112 | 110 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer | 75.7 | 75.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.41 | 9.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 85.1 | 85.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 13.8 | 13.8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.72 | 1.72 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 3.40 | 3.14 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |
| Total | 18.9 | 18.7 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 4.13 | 49.6 | 53.8 | 0.43 | 0.01 | — | 67.7 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.13 | 49.6 | 53.8 | 0.43 | 0.01 | — | 67.7 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Total | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Total | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.04 | 0.04 | 0.10 | 0.09 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 17.1 | 17.1 | < 0.005 | < 0.005 | 0.00 | 17.2 |
| Total | 0.04 | 0.04 | 0.10 | 0.09 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 17.1 | 17.1 | < 0.005 | < 0.005 | 0.00 | 17.2 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 243 | 120 | 113 | 75,418 | 22,930 | 11,365 | 10,667 | 7,126,999 |
| Unrefrigerated Warehouse-No Rail | 203 | 173 | 172 | 70,797 | 19,127 | 16,338 | 16,238 | 6,685,378 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 9,823 | 6,776 | 6,667 | 3,262,061 | 244,626 | 168,753 | 166,038 | 81,234,387 |
| Unrefrigerated Warehouse-No Rail | 845 | 394 | 369 | 260,158 | 79,881 | 37,216 | 34,823 | 24,582,326 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

### 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) |
|---|---|---|---|---|
| 0 | 0.00 | 5,274,879 | 1,758,293 | 372,328 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

## 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) |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 4,855,370 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,855,370 | 261 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 1,377,829 | 261 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 6,473,824 | 261 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 4,337,417 | 20,800,145 |
| Unrefrigerated Warehouse-No Rail | 4,337,417 | 20,800,145 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,337,417 | 20,800,145 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 992 | — |
| Unrefrigerated Warehouse-No Rail | 992 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 1,322 | — |

## 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 |
|---|---|---|---|---|---|---|---|

## 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 |
|---|---|---|---|---|---|---|

## 5.16. 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |

### 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. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| 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) |
|---|---|---|---|

# 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |

| | | | | |
|---|---|---|---|---|
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |

| | |
|---|---|
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |

| | |
|---|---|
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Characteristics: Project Details | — |

# 15718 Beaumont Heights Option A (Phase 4) Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option A (Phase 4) |
| Operational Year | 2032 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,555 | 1000sqft | 35.7 | 1,554,868 | 840,773 | — | — | High-Cube Fulfillment (Non-Sort) |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,555 | 1000sqft | 35.7 | 1,554,867 | 840,773 | — | — | High-Cube Fulfillment (Sort) |
| Parking Lot | 6,025 | Space | 54.2 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 155 | Acre | 155 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 5,183 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Cars |
| Unrefrigerated Warehouse-No Rail | 2,073 | 1000sqft | 47.6 | 2,073,156 | 840,773 | — | — | Warehousing |

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

No measures selected

# 2. Emissions Summary

## 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. | 241 | 224 | 394 | 1,184 | 6.30 | 8.66 | 407 | 416 | 8.19 | 105 | 113 | 2,663 | 679,763 | 682,426 | 281 | 68.8 | 1,183 | 711,119 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 199 | 185 | 411 | 785 | 6.11 | 8.26 | 407 | 415 | 7.89 | 105 | 113 | 2,663 | 661,138 | 663,801 | 281 | 69.1 | 30.7 | 691,442 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 216 | 202 | 358 | 870 | 5.35 | 7.21 | 352 | 359 | 6.82 | 90.7 | 97.6 | 2,663 | 580,314 | 582,977 | 279 | 59.9 | 445 | 608,241 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 39.4 | 36.9 | 65.3 | 159 | 0.98 | 1.32 | 64.2 | 65.5 | 1.24 | 16.6 | 17.8 | 441 | 96,078 | 96,518 | 46.2 | 9.91 | 73.6 | 100,701 |

## 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 | 73.5 | 59.9 | 386 | 953 | 6.27 | 7.97 | 407 | 415 | 7.60 | 105 | 113 | — | 658,921 | 658,921 | 11.9 | 68.4 | 1,183 | 680,779 |
| Area | 166 | 163 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 18,521 | 18,521 | 2.34 | 0.28 | — | 18,665 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Stationary | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Total | 241 | 224 | 394 | 1,184 | 6.30 | 8.66 | 407 | 416 | 8.19 | 105 | 113 | 2,663 | 679,763 | 682,426 | 281 | 68.8 | 1,183 | 711,119 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 71.4 | 57.8 | 405 | 780 | 6.10 | 7.97 | 407 | 415 | 7.60 | 105 | 113 | — | 641,223 | 641,223 | 12.0 | 68.7 | 30.7 | 662,033 |
| Area | 125 | 125 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 18,521 | 18,521 | 2.34 | 0.28 | — | 18,665 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Stationary | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Total | 199 | 185 | 411 | 785 | 6.11 | 8.26 | 407 | 415 | 7.89 | 105 | 113 | 2,663 | 661,138 | 663,801 | 281 | 69.1 | 30.7 | 691,442 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 62.7 | 50.9 | 356 | 715 | 5.34 | 6.90 | 352 | 359 | 6.57 | 90.7 | 97.3 | — | 560,633 | 560,633 | 10.5 | 59.5 | 445 | 579,066 |
| Area | 153 | 151 | 1.30 | 154 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 635 | 635 | 0.03 | 0.01 | — | 637 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 18,521 | 18,521 | 2.34 | 0.28 | — | 18,665 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Stationary | 0.30 | 0.27 | 0.75 | 0.69 | < 0.005 | 0.04 | 0.00 | 0.04 | 0.04 | 0.00 | 0.04 | 0.00 | 138 | 138 | 0.01 | < 0.005 | 0.00 | 138 |
| Total | 216 | 202 | 358 | 870 | 5.35 | 7.21 | 352 | 359 | 6.82 | 90.7 | 97.6 | 2,663 | 580,314 | 582,977 | 279 | 59.9 | 445 | 608,241 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.4 | 9.28 | 64.9 | 130 | 0.97 | 1.26 | 64.2 | 65.4 | 1.20 | 16.6 | 17.8 | — | 92,819 | 92,819 | 1.74 | 9.85 | 73.6 | 95,871 |
| Area | 27.9 | 27.5 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 3,066 | 3,066 | 0.39 | 0.05 | — | 3,090 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 6.11 | 64.0 | 70.1 | 0.63 | 0.02 | — | 90.7 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |
| Stationary | 0.05 | 0.05 | 0.14 | 0.13 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 22.8 | 22.8 | < 0.005 | < 0.005 | 0.00 | 22.9 |
| Total | 39.4 | 36.9 | 65.3 | 159 | 0.98 | 1.32 | 64.2 | 65.5 | 1.24 | 16.6 | 17.8 | 441 | 96,078 | 96,518 | 46.2 | 9.91 | 73.6 | 100,701 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 13.5 | 6.43 | 351 | 79.4 | 3.98 | 7.24 | 156 | 163 | 6.93 | 41.7 | 48.6 | — | 427,133 | 427,133 | 6.42 | 64.2 | 799 | 447,220 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 60.0 | 53.4 | 34.8 | 874 | 2.29 | 0.73 | 251 | 252 | 0.67 | 63.3 | 64.0 | — | 231,787 | 231,787 | 5.49 | 4.20 | 384 | 233,559 |
| Total | 73.5 | 59.9 | 386 | 953 | 6.27 | 7.97 | 407 | 415 | 7.60 | 105 | 113 | — | 658,921 | 658,921 | 11.9 | 68.4 | 1,183 | 680,779 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 13.4 | 6.31 | 367 | 79.5 | 3.98 | 7.25 | 156 | 163 | 6.93 | 41.7 | 48.6 | — | 427,182 | 427,182 | 6.42 | 64.2 | 20.7 | 446,496 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 58.0 | 51.5 | 38.7 | 700 | 2.12 | 0.73 | 251 | 252 | 0.67 | 63.3 | 64.0 | — | 214,041 | 214,041 | 5.57 | 4.52 | 9.96 | 215,536 |
| Total | 71.4 | 57.8 | 405 | 780 | 6.10 | 7.97 | 407 | 415 | 7.60 | 105 | 113 | — | 641,223 | 641,223 | 12.0 | 68.7 | 30.7 | 662,033 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 2.11 | 1.00 | 58.5 | 12.5 | 0.63 | 1.14 | 24.2 | 25.4 | 1.09 | 6.48 | 7.57 | — | 61,006 | 61,006 | 0.92 | 9.17 | 49.3 | 63,811 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| User Defined Industrial | 9.33 | 8.28 | 6.46 | 118 | 0.35 | 0.12 | 40.0 | 40.1 | 0.11 | 10.1 | 10.2 | — | 31,813 | 31,813 | 0.82 | 0.68 | 24.4 | 32,060 |
| Total | 11.4 | 9.28 | 64.9 | 130 | 0.97 | 1.26 | 64.2 | 65.4 | 1.20 | 16.6 | 17.8 | — | 92,819 | 92,819 | 1.74 | 9.85 | 73.6 | 95,871 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 17,043 | 17,043 | 2.16 | 0.26 | — | 17,175 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 1,478 | 1,478 | 0.19 | 0.02 | — | 1,490 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 18,521 | 18,521 | 2.34 | 0.28 | — | 18,665 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 17,043 | 17,043 | 2.16 | 0.26 | — | 17,175 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 1,478 | 1,478 | 0.19 | 0.02 | — | 1,490 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 18,521 | 18,521 | 2.34 | 0.28 | — | 18,665 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,822 | 2,822 | 0.36 | 0.04 | — | 2,843 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 245 | 245 | 0.03 | < 0.005 | — | 247 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 3,066 | 3,066 | 0.39 | 0.05 | — | 3,090 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 112 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 40.1 | 37.0 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Total | 166 | 163 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consumer | 112 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 125 | 125 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 20.4 | 20.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 2.53 | 2.53 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 5.02 | 4.63 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Total | 27.9 | 27.5 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 6.11 | 64.0 | 70.1 | 0.63 | 0.02 | — | 90.7 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 6.11 | 64.0 | 70.1 | 0.63 | 0.02 | — | 90.7 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Total | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Total | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.05 | 0.05 | 0.14 | 0.13 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 22.8 | 22.8 | < 0.005 | < 0.005 | 0.00 | 22.9 |
| Total | 0.05 | 0.05 | 0.14 | 0.13 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 22.8 | 22.8 | < 0.005 | < 0.005 | 0.00 | 22.9 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 358 | 177 | 166 | 111,154 | 33,795 | 16,751 | 15,722 | 10,504,070 |
| Unrefrigerated Warehouse-No Rail | 299 | 255 | 253 | 104,344 | 28,191 | 24,079 | 23,933 | 9,853,184 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 14,478 | 8,826 | 8,687 | 4,687,742 | 360,540 | 219,791 | 216,319 | 116,737,833 |
| Unrefrigerated Warehouse-No Rail | 1,246 | 580 | 543 | 383,432 | 117,731 | 54,850 | 51,324 | 36,230,460 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

### 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) |
|---|---|---|---|---|
| 0 | 0.00 | 7,774,337 | 2,591,446 | 546,674 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

## 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) |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 7,156,049 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 7,156,044 | 261 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 2,069,148 | 261 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 9,541,392 | 261 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 6,418,282 | 25,753,077 |
| Unrefrigerated Warehouse-No Rail | 6,418,282 | 25,753,077 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 6,418,282 | 25,753,077 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,462 | — |
| Unrefrigerated Warehouse-No Rail | 1,462 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 1,949 | — |

## 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 |
|---|---|---|---|---|---|---|---|

## 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 |
|---|---|---|---|---|---|---|

## 5.16. 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |

### 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. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| 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) |
|---|---|---|---|

# 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |

| | |
|---|---|
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |

| | |
|---|---|
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Characteristics: Project Details | — |

# 15718 Beaumont Heights Option A (Phase 1) Mitigated Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option A (Phase 1) Mitigated |
| Operational Year | 2028 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 192 | 1000sqft | 4.42 | 192,487 | 132,640 | — | — | High-Cube Fulfillment (Non-Sort) |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 192 | 1000sqft | 4.42 | 192,487 | 132,640 | — | — | High-Cube Fulfillment (Sort) |
| Parking Lot | 822 | Space | 7.40 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 29.6 | Acre | 29.6 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 642 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Cars |
| Unrefrigerated Warehouse-No Rail | 257 | 1000sqft | 5.89 | 256,648 | 132,640 | — | — | Warehousing |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |

## 2. Emissions Summary

### 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. | 31.9 | 29.5 | 59.7 | 167 | 0.87 | 1.23 | 50.7 | 51.9 | 1.17 | 13.1 | 14.2 | 330 | 93,718 | 94,047 | 34.9 | 9.63 | 232 | 98,023 |
| Mit. | 31.9 | 29.5 | 59.7 | 167 | 0.87 | 1.23 | 50.7 | 51.9 | 1.17 | 13.1 | 14.2 | 329 | 93,697 | 94,026 | 34.8 | 9.63 | 232 | 97,998 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 26.6 | 24.6 | 62.3 | 114 | 0.84 | 1.18 | 50.7 | 51.8 | 1.13 | 13.1 | 14.2 | 330 | 91,258 | 91,587 | 34.9 | 9.68 | 6.01 | 95,352 |
| Mit. | 26.6 | 24.6 | 62.3 | 114 | 0.84 | 1.18 | 50.7 | 51.8 | 1.13 | 13.1 | 14.2 | 329 | 91,237 | 91,565 | 34.8 | 9.68 | 6.01 | 95,327 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 28.4 | 26.4 | 54.0 | 124 | 0.74 | 1.01 | 44.2 | 45.2 | 0.95 | 11.4 | 12.4 | 330 | 80,414 | 80,743 | 34.7 | 8.40 | 87.7 | 84,201 |
| Mit. | 28.4 | 26.4 | 54.0 | 124 | 0.74 | 1.01 | 44.2 | 45.2 | 0.95 | 11.4 | 12.4 | 329 | 80,393 | 80,721 | 34.6 | 8.40 | 87.7 | 84,177 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.18 | 4.82 | 9.85 | 22.7 | 0.13 | 0.18 | 8.07 | 8.25 | 0.17 | 2.08 | 2.26 | 54.6 | 13,313 | 13,368 | 5.75 | 1.39 | 14.5 | 13,940 |
| Mit. | 5.18 | 4.82 | 9.85 | 22.7 | 0.13 | 0.18 | 8.07 | 8.25 | 0.17 | 2.08 | 2.26 | 54.4 | 13,310 | 13,364 | 5.73 | 1.39 | 14.5 | 13,936 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |

## 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 | 10.8 | 8.80 | 58.1 | 138 | 0.86 | 1.11 | 50.7 | 51.8 | 1.06 | 13.1 | 14.1 | — | 90,570 | 90,570 | 1.68 | 9.59 | 232 | 93,701 |
| Area | 20.6 | 20.2 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 2,677 | 2,677 | 0.26 | 0.03 | — | 2,693 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Stationary | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Total | 31.9 | 29.5 | 59.7 | 167 | 0.87 | 1.23 | 50.7 | 51.9 | 1.17 | 13.1 | 14.2 | 330 | 93,718 | 94,047 | 34.9 | 9.63 | 232 | 98,023 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 10.4 | 8.49 | 61.0 | 113 | 0.84 | 1.11 | 50.7 | 51.8 | 1.06 | 13.1 | 14.1 | — | 88,225 | 88,225 | 1.70 | 9.64 | 6.01 | 91,145 |
| Area | 15.6 | 15.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 2,677 | 2,677 | 0.26 | 0.03 | — | 2,693 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Stationary | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Total | 26.6 | 24.6 | 62.3 | 114 | 0.84 | 1.18 | 50.7 | 51.8 | 1.13 | 13.1 | 14.2 | 330 | 91,258 | 91,587 | 34.9 | 9.68 | 6.01 | 95,352 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.29 | 7.58 | 53.6 | 105 | 0.74 | 0.96 | 44.2 | 45.2 | 0.92 | 11.4 | 12.3 | — | 77,519 | 77,519 | 1.50 | 8.35 | 87.7 | 80,134 |
| Area | 19.0 | 18.8 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 78.6 | 78.6 | < 0.005 | < 0.005 | — | 78.9 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 2,677 | 2,677 | 0.26 | 0.03 | — | 2,693 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Stationary | 0.07 | 0.07 | 0.19 | 0.17 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 34.5 | 34.5 | < 0.005 | < 0.005 | 0.00 | 34.6 |
| Total | 28.4 | 26.4 | 54.0 | 124 | 0.74 | 1.01 | 44.2 | 45.2 | 0.95 | 11.4 | 12.4 | 330 | 80,414 | 80,743 | 34.7 | 8.40 | 87.7 | 84,201 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.70 | 1.38 | 9.79 | 19.2 | 0.13 | 0.18 | 8.07 | 8.24 | 0.17 | 2.08 | 2.25 | — | 12,834 | 12,834 | 0.25 | 1.38 | 14.5 | 13,267 |
| Area | 3.47 | 3.42 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 443 | 443 | 0.04 | 0.01 | — | 446 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.74 | 17.2 | 17.9 | 0.08 | < 0.005 | — | 20.5 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |
| Stationary | 0.01 | 0.01 | 0.03 | 0.03 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.00 | 5.73 |
| Total | 5.18 | 4.82 | 9.85 | 22.7 | 0.13 | 0.18 | 8.07 | 8.25 | 0.17 | 2.08 | 2.26 | 54.6 | 13,313 | 13,368 | 5.75 | 1.39 | 14.5 | 13,940 |

## 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 | 10.8 | 8.80 | 58.1 | 138 | 0.86 | 1.11 | 50.7 | 51.8 | 1.06 | 13.1 | 14.1 | — | 90,570 | 90,570 | 1.68 | 9.59 | 232 | 93,701 |
| Area | 20.6 | 20.2 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 2,677 | 2,677 | 0.26 | 0.03 | — | 2,693 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 3.56 | 83.1 | 86.7 | 0.37 | 0.01 | — | 98.9 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Stationary | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Total | 31.9 | 29.5 | 59.7 | 167 | 0.87 | 1.23 | 50.7 | 51.9 | 1.17 | 13.1 | 14.2 | 329 | 93,697 | 94,026 | 34.8 | 9.63 | 232 | 97,998 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 10.4 | 8.49 | 61.0 | 113 | 0.84 | 1.11 | 50.7 | 51.8 | 1.06 | 13.1 | 14.1 | — | 88,225 | 88,225 | 1.70 | 9.64 | 6.01 | 91,145 |
| Area | 15.6 | 15.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 2,677 | 2,677 | 0.26 | 0.03 | — | 2,693 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 3.56 | 83.1 | 86.7 | 0.37 | 0.01 | — | 98.9 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Stationary | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Total | 26.6 | 24.6 | 62.3 | 114 | 0.84 | 1.18 | 50.7 | 51.8 | 1.13 | 13.1 | 14.2 | 329 | 91,237 | 91,565 | 34.8 | 9.68 | 6.01 | 95,327 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.29 | 7.58 | 53.6 | 105 | 0.74 | 0.96 | 44.2 | 45.2 | 0.92 | 11.4 | 12.3 | — | 77,519 | 77,519 | 1.50 | 8.35 | 87.7 | 80,134 |
| Area | 19.0 | 18.8 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 78.6 | 78.6 | < 0.005 | < 0.005 | — | 78.9 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 2,677 | 2,677 | 0.26 | 0.03 | — | 2,693 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | — | — | — | — | — | — | — | — | — | — | — | 3.56 | 83.1 | 86.7 | 0.37 | 0.01 | — | 98.9 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Stationary | 0.07 | 0.07 | 0.19 | 0.17 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 34.5 | 34.5 | < 0.005 | < 0.005 | 0.00 | 34.6 |
| Total | 28.4 | 26.4 | 54.0 | 124 | 0.74 | 1.01 | 44.2 | 45.2 | 0.95 | 11.4 | 12.4 | 329 | 80,393 | 80,721 | 34.6 | 8.40 | 87.7 | 84,177 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.70 | 1.38 | 9.79 | 19.2 | 0.13 | 0.18 | 8.07 | 8.24 | 0.17 | 2.08 | 2.25 | — | 12,834 | 12,834 | 0.25 | 1.38 | 14.5 | 13,267 |
| Area | 3.47 | 3.42 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 443 | 443 | 0.04 | 0.01 | — | 446 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.59 | 13.8 | 14.4 | 0.06 | < 0.005 | — | 16.4 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |
| Stationary | 0.01 | 0.01 | 0.03 | 0.03 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.00 | 5.73 |
| Total | 5.18 | 4.82 | 9.85 | 22.7 | 0.13 | 0.18 | 8.07 | 8.25 | 0.17 | 2.08 | 2.26 | 54.4 | 13,310 | 13,364 | 5.73 | 1.39 | 14.5 | 13,936 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 1.99 | 1.02 | 52.6 | 12.4 | 0.56 | 1.00 | 19.6 | 20.6 | 0.95 | 5.23 | 6.19 | — | 59,965 | 59,965 | 0.87 | 8.99 | 149 | 62,816 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 8.76 | 7.78 | 5.44 | 125 | 0.30 | 0.12 | 31.1 | 31.2 | 0.11 | 7.84 | 7.95 | — | 30,605 | 30,605 | 0.81 | 0.60 | 82.6 | 30,885 |
| Total | 10.8 | 8.80 | 58.1 | 138 | 0.86 | 1.11 | 50.7 | 51.8 | 1.06 | 13.1 | 14.1 | — | 90,570 | 90,570 | 1.68 | 9.59 | 232 | 93,701 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 1.98 | 1.00 | 54.9 | 12.4 | 0.56 | 1.00 | 19.6 | 20.6 | 0.95 | 5.23 | 6.19 | — | 59,971 | 59,971 | 0.87 | 9.00 | 3.87 | 62,678 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 8.45 | 7.49 | 6.05 | 100 | 0.28 | 0.12 | 31.1 | 31.2 | 0.11 | 7.84 | 7.95 | — | 28,253 | 28,253 | 0.82 | 0.64 | 2.14 | 28,467 |
| Total | 10.4 | 8.49 | 61.0 | 113 | 0.84 | 1.11 | 50.7 | 51.8 | 1.06 | 13.1 | 14.1 | — | 88,225 | 88,225 | 1.70 | 9.64 | 6.01 | 91,145 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.31 | 0.16 | 8.76 | 1.95 | 0.09 | 0.16 | 3.04 | 3.20 | 0.15 | 0.81 | 0.96 | — | 8,567 | 8,567 | 0.12 | 1.29 | 9.19 | 8,963 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| User Defined Industrial | 1.38 | 1.22 | 1.03 | 17.2 | 0.05 | 0.02 | 5.02 | 5.04 | 0.02 | 1.27 | 1.29 | — | 4,267 | 4,267 | 0.12 | 0.10 | 5.32 | 4,305 |
| Total | 1.70 | 1.38 | 9.79 | 19.2 | 0.13 | 0.18 | 8.07 | 8.24 | 0.17 | 2.08 | 2.25 | — | 12,834 | 12,834 | 0.25 | 1.38 | 14.5 | 13,267 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 1.99 | 1.02 | 52.6 | 12.4 | 0.56 | 1.00 | 19.6 | 20.6 | 0.95 | 5.23 | 6.19 | — | 59,965 | 59,965 | 0.87 | 8.99 | 149 | 62,816 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 8.76 | 7.78 | 5.44 | 125 | 0.30 | 0.12 | 31.1 | 31.2 | 0.11 | 7.84 | 7.95 | — | 30,605 | 30,605 | 0.81 | 0.60 | 82.6 | 30,885 |
| Total | 10.8 | 8.80 | 58.1 | 138 | 0.86 | 1.11 | 50.7 | 51.8 | 1.06 | 13.1 | 14.1 | — | 90,570 | 90,570 | 1.68 | 9.59 | 232 | 93,701 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 1.98 | 1.00 | 54.9 | 12.4 | 0.56 | 1.00 | 19.6 | 20.6 | 0.95 | 5.23 | 6.19 | — | 59,971 | 59,971 | 0.87 | 9.00 | 3.87 | 62,678 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 8.45 | 7.49 | 6.05 | 100 | 0.28 | 0.12 | 31.1 | 31.2 | 0.11 | 7.84 | 7.95 | — | 28,253 | 28,253 | 0.82 | 0.64 | 2.14 | 28,467 |
| Total | 10.4 | 8.49 | 61.0 | 113 | 0.84 | 1.11 | 50.7 | 51.8 | 1.06 | 13.1 | 14.1 | — | 88,225 | 88,225 | 1.70 | 9.64 | 6.01 | 91,145 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.31 | 0.16 | 8.76 | 1.95 | 0.09 | 0.16 | 3.04 | 3.20 | 0.15 | 0.81 | 0.96 | — | 8,567 | 8,567 | 0.12 | 1.29 | 9.19 | 8,963 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 1.38 | 1.22 | 1.03 | 17.2 | 0.05 | 0.02 | 5.02 | 5.04 | 0.02 | 1.27 | 1.29 | — | 4,267 | 4,267 | 0.12 | 0.10 | 5.32 | 4,305 |
| Total | 1.70 | 1.38 | 9.79 | 19.2 | 0.13 | 0.18 | 8.07 | 8.24 | 0.17 | 2.08 | 2.25 | — | 12,834 | 12,834 | 0.25 | 1.38 | 14.5 | 13,267 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | — | 2,410 | 2,410 | 0.23 | 0.03 | — | 2,424 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 268 | 268 | 0.03 | < 0.005 | — | 269 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,677 | 2,677 | 0.26 | 0.03 | — | 2,693 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,410 | 2,410 | 0.23 | 0.03 | — | 2,424 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 268 | 268 | 0.03 | < 0.005 | — | 269 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,677 | 2,677 | 0.26 | 0.03 | — | 2,693 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 | 0.04 | < 0.005 | — | 401 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 44.3 | 44.3 | < 0.005 | < 0.005 | — | 44.6 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 443 | 443 | 0.04 | 0.01 | — | 446 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,410 | 2,410 | 0.23 | 0.03 | — | 2,424 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 268 | 268 | 0.03 | < 0.005 | — | 269 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,677 | 2,677 | 0.26 | 0.03 | — | 2,693 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Wareho Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,410 | 2,410 | 0.23 | 0.03 | — | 2,424 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 268 | 268 | 0.03 | < 0.005 | — | 269 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,677 | 2,677 | 0.26 | 0.03 | — | 2,693 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Wareho use-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 | 0.04 | < 0.005 | — | 401 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 44.3 | 44.3 | < 0.005 | < 0.005 | — | 44.6 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 443 | 443 | 0.04 | 0.01 | — | 446 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

### 4.2.4. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.75 | 1.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 4.97 | 4.58 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Total | 20.6 | 20.2 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.75 | 1.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 15.6 | 15.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 2.53 | 2.53 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.32 | 0.32 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Landscape | 0.62 | 0.57 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |
| Total | 3.47 | 3.42 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |

### 4.3.2. 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 | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.75 | 1.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 4.97 | 4.58 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Total | 20.6 | 20.2 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.75 | 1.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 15.6 | 15.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consum Products | 2.53 | 2.53 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.32 | 0.32 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.62 | 0.57 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |
| Total | 3.47 | 3.42 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.74 | 17.2 | 17.9 | 0.08 | < 0.005 | — | 20.5 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 0.74 | 17.2 | 17.9 | 0.08 | < 0.005 | — | 20.5 |

### 4.4.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.56 | 83.1 | 86.7 | 0.37 | 0.01 | — | 98.9 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 3.56 | 83.1 | 86.7 | 0.37 | 0.01 | — | 98.9 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.56 | 83.1 | 86.7 | 0.37 | 0.01 | — | 98.9 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 3.56 | 83.1 | 86.7 | 0.37 | 0.01 | — | 98.9 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.59 | 13.8 | 14.4 | 0.06 | < 0.005 | — | 16.4 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 0.59 | 13.8 | 14.4 | 0.06 | < 0.005 | — | 16.4 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |

### 4.5.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |

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

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

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Total | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Total | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.01 | 0.01 | 0.03 | 0.03 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.00 | 5.73 |
| Total | 0.01 | 0.01 | 0.03 | 0.03 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.00 | 5.73 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Total | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Total | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.01 | 0.01 | 0.03 | 0.03 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.00 | 5.73 |
| Total | 0.01 | 0.01 | 0.03 | 0.03 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.00 | 5.73 |

## 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 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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

## 5.9. 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 44.3 | 21.9 | 20.6 | 13,760 | 4,184 | 2,074 | 1,946 | 1,300,366 |
| Unrefrigerated Warehouse-No Rail | 37.0 | 31.6 | 31.4 | 12,917 | 3,490 | 2,981 | 2,963 | 1,219,789 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 1,792 | 1,183 | 1,164 | 589,562 | 44,627 | 29,448 | 28,984 | 14,681,727 |
| Unrefrigerated Warehouse-No Rail | 157 | 73.7 | 69.0 | 48,458 | 14,839 | 6,947 | 6,512 | 4,570,514 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 44.3 | 21.9 | 20.6 | 13,760 | 4,184 | 2,074 | 1,946 | 1,300,366 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 37.0 | 31.6 | 31.4 | 12,917 | 3,490 | 2,981 | 2,963 | 1,219,789 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 1,792 | 1,183 | 1,164 | 589,562 | 44,627 | 29,448 | 28,984 | 14,681,727 |
| Unrefrigerated Warehouse-No Rail | 157 | 73.7 | 69.0 | 48,458 | 14,839 | 6,947 | 6,512 | 4,570,514 |

## 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) |
|---|---|---|---|---|
| 0 | 0.00 | 962,433 | 320,811 | 96,803 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

### 5.10.4. Landscape Equipment - Mitigated

| Season | Unit | Value |
|---|---|---|

| | | |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

## 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) |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 762,143 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 762,143 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 282,297 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 1,016,185 | 346 | 0.0330 | 0.0040 | 0.00 |

### 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) |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 762,143 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 762,143 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 282,297 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 1,016,185 | 346 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 775,017 | 5,887,038 |
| Unrefrigerated Warehouse-No Rail | 775,017 | 5,887,038 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 775,017 | 5,887,038 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 620,014 | 4,709,630 |
| Unrefrigerated Warehouse-No Rail | 620,014 | 4,709,630 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 620,014 | 4,709,630 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 181 | — |
| Unrefrigerated Warehouse-No Rail | 181 | — |
| Parking Lot | 0.00 | — |

| | | |
|---|---|---|
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 241 | — |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 181 | — |
| Unrefrigerated Warehouse-No Rail | 181 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 241 | — |

## 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 |
|---|---|---|---|---|---|---|---|

### 5.14.2. Mitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|

## 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |

### 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |

| | |
|---|---|
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |

| | |
|---|---|
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |

| | |
|---|---|
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas. Assumes 412,500 kWh per year will be generated by solar. |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |

# 15718 Beaumont Heights Option A (Phase 2) Mitigated Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option A (Phase 2) Mitigated |
| Operational Year | 2029 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 608 | 1000sqft | 14.0 | 608,300 | 360,938 | — | — | High-Cube Fulfillment (Non-Sort) |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 608 | 1000sqft | 14.0 | 608,300 | 360,938 | — | — | High-Cube Fulfillment (Sort) |
| Parking Lot | 2,324 | Space | 20.9 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 73.4 | Acre | 73.4 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 2,028 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Cars |
| Unrefrigerated Warehouse-No Rail | 811 | 1000sqft | 18.6 | 811,066 | 360,938 | — | — | Warehousing |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |

# 2. Emissions Summary

### 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. | 98.4 | 91.2 | 177 | 507 | 2.66 | 3.71 | 160 | 163 | 3.51 | 41.2 | 44.7 | 1,041 | 288,017 | 289,058 | 110 | 29.5 | 656 | 301,251 |
| Mit. | 98.4 | 91.2 | 177 | 507 | 2.66 | 3.71 | 160 | 163 | 3.51 | 41.2 | 44.7 | 1,038 | 287,962 | 289,001 | 110 | 29.5 | 656 | 301,184 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 81.7 | 75.7 | 185 | 344 | 2.58 | 3.55 | 160 | 163 | 3.39 | 41.2 | 44.6 | 1,041 | 280,385 | 281,426 | 110 | 29.6 | 17.0 | 293,024 |
| Mit. | 81.7 | 75.7 | 185 | 344 | 2.58 | 3.55 | 160 | 163 | 3.39 | 41.2 | 44.6 | 1,038 | 280,331 | 281,369 | 110 | 29.6 | 17.0 | 292,957 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 87.7 | 81.7 | 161 | 374 | 2.26 | 3.07 | 138 | 141 | 2.91 | 35.6 | 38.5 | 1,041 | 246,048 | 247,089 | 109 | 25.7 | 247 | 257,720 |
| Mit. | 87.7 | 81.7 | 161 | 374 | 2.26 | 3.07 | 138 | 141 | 2.91 | 35.6 | 38.5 | 1,038 | 245,993 | 247,032 | 109 | 25.7 | 247 | 257,654 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 16.0 | 14.9 | 29.4 | 68.2 | 0.41 | 0.56 | 25.2 | 25.7 | 0.53 | 6.50 | 7.03 | 172 | 40,736 | 40,908 | 18.1 | 4.25 | 40.9 | 42,669 |
| Mit. | 16.0 | 14.9 | 29.4 | 68.2 | 0.41 | 0.56 | 25.2 | 25.7 | 0.53 | 6.50 | 7.03 | 172 | 40,727 | 40,899 | 18.1 | 4.25 | 40.9 | 42,657 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |

## 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 | 32.4 | 26.5 | 174 | 416 | 2.65 | 3.40 | 160 | 163 | 3.24 | 41.2 | 44.4 | — | 278,444 | 278,444 | 5.13 | 29.3 | 656 | 287,970 |
| Area | 64.9 | 63.7 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 8,435 | 8,435 | 0.80 | 0.10 | — | 8,484 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Stationary | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 98.4 | 91.2 | 177 | 507 | 2.66 | 3.71 | 160 | 163 | 3.51 | 41.2 | 44.7 | 1,041 | 288,017 | 289,058 | 110 | 29.5 | 656 | 301,251 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 31.4 | 25.6 | 182 | 341 | 2.58 | 3.40 | 160 | 163 | 3.24 | 41.2 | 44.5 | — | 271,175 | 271,175 | 5.17 | 29.5 | 17.0 | 280,107 |
| Area | 49.2 | 49.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 8,435 | 8,435 | 0.80 | 0.10 | — | 8,484 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Stationary | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 81.7 | 75.7 | 185 | 344 | 2.58 | 3.55 | 160 | 163 | 3.39 | 41.2 | 44.6 | 1,041 | 280,385 | 281,426 | 110 | 29.6 | 17.0 | 293,024 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 27.7 | 22.5 | 160 | 313 | 2.26 | 2.95 | 138 | 141 | 2.81 | 35.6 | 38.4 | — | 237,024 | 237,024 | 4.53 | 25.5 | 247 | 244,990 |
| Area | 59.9 | 59.1 | 0.51 | 60.4 | < 0.005 | 0.11 | — | 0.11 | 0.08 | — | 0.08 | — | 248 | 248 | 0.01 | < 0.005 | — | 249 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 8,435 | 8,435 | 0.80 | 0.10 | — | 8,484 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Stationary | 0.15 | 0.13 | 0.38 | 0.34 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 69.0 | 69.0 | < 0.005 | < 0.005 | 0.00 | 69.2 |
| Total | 87.7 | 81.7 | 161 | 374 | 2.26 | 3.07 | 138 | 141 | 2.91 | 35.6 | 38.5 | 1,041 | 246,048 | 247,089 | 109 | 25.7 | 247 | 257,720 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 5.05 | 4.10 | 29.2 | 57.1 | 0.41 | 0.54 | 25.2 | 25.7 | 0.51 | 6.50 | 7.01 | — | 39,242 | 39,242 | 0.75 | 4.23 | 40.9 | 40,561 |
| Area | 10.9 | 10.8 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 1,396 | 1,396 | 0.13 | 0.02 | — | 1,405 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 2.33 | 45.0 | 47.4 | 0.24 | 0.01 | — | 55.3 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |
| Stationary | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Total | 16.0 | 14.9 | 29.4 | 68.2 | 0.41 | 0.56 | 25.2 | 25.7 | 0.53 | 6.50 | 7.03 | 172 | 40,736 | 40,908 | 18.1 | 4.25 | 40.9 | 42,669 |

## 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 | 32.4 | 26.5 | 174 | 416 | 2.65 | 3.40 | 160 | 163 | 3.24 | 41.2 | 44.4 | — | 278,444 | 278,444 | 5.13 | 29.3 | 656 | 287,970 |
| Area | 64.9 | 63.7 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 8,435 | 8,435 | 0.80 | 0.10 | — | 8,484 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 11.3 | 218 | 229 | 1.18 | 0.03 | — | 267 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Stationary | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 98.4 | 91.2 | 177 | 507 | 2.66 | 3.71 | 160 | 163 | 3.51 | 41.2 | 44.7 | 1,038 | 287,962 | 289,001 | 110 | 29.5 | 656 | 301,184 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 31.4 | 25.6 | 182 | 341 | 2.58 | 3.40 | 160 | 163 | 3.24 | 41.2 | 44.5 | — | 271,175 | 271,175 | 5.17 | 29.5 | 17.0 | 280,107 |
| Area | 49.2 | 49.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 8,435 | 8,435 | 0.80 | 0.10 | — | 8,484 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 11.3 | 218 | 229 | 1.18 | 0.03 | — | 267 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Stationary | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 81.7 | 75.7 | 185 | 344 | 2.58 | 3.55 | 160 | 163 | 3.39 | 41.2 | 44.6 | 1,038 | 280,331 | 281,369 | 110 | 29.6 | 17.0 | 292,957 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 27.7 | 22.5 | 160 | 313 | 2.26 | 2.95 | 138 | 141 | 2.81 | 35.6 | 38.4 | — | 237,024 | 237,024 | 4.53 | 25.5 | 247 | 244,990 |
| Area | 59.9 | 59.1 | 0.51 | 60.4 | < 0.005 | 0.11 | — | 0.11 | 0.08 | — | 0.08 | — | 248 | 248 | 0.01 | < 0.005 | — | 249 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 8,435 | 8,435 | 0.80 | 0.10 | — | 8,484 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | — | — | — | — | — | — | — | — | — | — | — | 11.3 | 218 | 229 | 1.18 | 0.03 | — | 267 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Stationary | 0.15 | 0.13 | 0.38 | 0.34 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 69.0 | 69.0 | < 0.005 | < 0.005 | 0.00 | 69.2 |
| Total | 87.7 | 81.7 | 161 | 374 | 2.26 | 3.07 | 138 | 141 | 2.91 | 35.6 | 38.5 | 1,038 | 245,993 | 247,032 | 109 | 25.7 | 247 | 257,654 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 5.05 | 4.10 | 29.2 | 57.1 | 0.41 | 0.54 | 25.2 | 25.7 | 0.51 | 6.50 | 7.01 | — | 39,242 | 39,242 | 0.75 | 4.23 | 40.9 | 40,561 |
| Area | 10.9 | 10.8 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 1,396 | 1,396 | 0.13 | 0.02 | — | 1,405 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 1.87 | 36.0 | 37.9 | 0.19 | < 0.005 | — | 44.2 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |
| Stationary | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Total | 16.0 | 14.9 | 29.4 | 68.2 | 0.41 | 0.56 | 25.2 | 25.7 | 0.53 | 6.50 | 7.03 | 172 | 40,727 | 40,899 | 18.1 | 4.25 | 40.9 | 42,657 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 6.01 | 3.01 | 158 | 37.0 | 1.71 | 3.06 | 61.5 | 64.5 | 2.93 | 16.4 | 19.4 | — | 183,482 | 183,482 | 2.69 | 27.5 | 427 | 192,179 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 26.4 | 23.5 | 16.1 | 379 | 0.94 | 0.34 | 98.2 | 98.5 | 0.32 | 24.8 | 25.1 | — | 94,962 | 94,962 | 2.44 | 1.81 | 229 | 95,791 |
| Total | 32.4 | 26.5 | 174 | 416 | 2.65 | 3.40 | 160 | 163 | 3.24 | 41.2 | 44.4 | — | 278,444 | 278,444 | 5.13 | 29.3 | 656 | 287,970 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 5.95 | 2.96 | 164 | 37.0 | 1.71 | 3.06 | 61.5 | 64.5 | 2.93 | 16.4 | 19.4 | — | 183,500 | 183,500 | 2.69 | 27.5 | 11.1 | 191,784 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 25.5 | 22.6 | 17.9 | 304 | 0.87 | 0.34 | 98.2 | 98.5 | 0.32 | 24.8 | 25.1 | — | 87,675 | 87,675 | 2.48 | 1.95 | 5.94 | 88,323 |
| Total | 31.4 | 25.6 | 182 | 341 | 2.58 | 3.40 | 160 | 163 | 3.24 | 41.2 | 44.5 | — | 271,175 | 271,175 | 5.17 | 29.5 | 17.0 | 280,107 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.94 | 0.47 | 26.2 | 5.81 | 0.27 | 0.48 | 9.55 | 10.0 | 0.46 | 2.55 | 3.02 | — | 26,210 | 26,210 | 0.38 | 3.93 | 26.3 | 27,418 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| User Defined Industrial | 4.11 | 3.64 | 2.99 | 51.3 | 0.14 | 0.06 | 15.6 | 15.7 | 0.05 | 3.94 | 4.00 | — | 13,032 | 13,032 | 0.37 | 0.29 | 14.5 | 13,143 |
| Total | 5.05 | 4.10 | 29.2 | 57.1 | 0.41 | 0.54 | 25.2 | 25.7 | 0.51 | 6.50 | 7.01 | — | 39,242 | 39,242 | 0.75 | 4.23 | 40.9 | 40,561 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 6.01 | 3.01 | 158 | 37.0 | 1.71 | 3.06 | 61.5 | 64.5 | 2.93 | 16.4 | 19.4 | — | 183,482 | 183,482 | 2.69 | 27.5 | 427 | 192,179 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 26.4 | 23.5 | 16.1 | 379 | 0.94 | 0.34 | 98.2 | 98.5 | 0.32 | 24.8 | 25.1 | — | 94,962 | 94,962 | 2.44 | 1.81 | 229 | 95,791 |
| Total | 32.4 | 26.5 | 174 | 416 | 2.65 | 3.40 | 160 | 163 | 3.24 | 41.2 | 44.4 | — | 278,444 | 278,444 | 5.13 | 29.3 | 656 | 287,970 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 5.95 | 2.96 | 164 | 37.0 | 1.71 | 3.06 | 61.5 | 64.5 | 2.93 | 16.4 | 19.4 | — | 183,500 | 183,500 | 2.69 | 27.5 | 11.1 | 191,784 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 25.5 | 22.6 | 17.9 | 304 | 0.87 | 0.34 | 98.2 | 98.5 | 0.32 | 24.8 | 25.1 | — | 87,675 | 87,675 | 2.48 | 1.95 | 5.94 | 88,323 |
| Total | 31.4 | 25.6 | 182 | 341 | 2.58 | 3.40 | 160 | 163 | 3.24 | 41.2 | 44.5 | — | 271,175 | 271,175 | 5.17 | 29.5 | 17.0 | 280,107 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.94 | 0.47 | 26.2 | 5.81 | 0.27 | 0.48 | 9.55 | 10.0 | 0.46 | 2.55 | 3.02 | — | 26,210 | 26,210 | 0.38 | 3.93 | 26.3 | 27,418 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 4.11 | 3.64 | 2.99 | 51.3 | 0.14 | 0.06 | 15.6 | 15.7 | 0.05 | 3.94 | 4.00 | — | 13,032 | 13,032 | 0.37 | 0.29 | 14.5 | 13,143 |
| Total | 5.05 | 4.10 | 29.2 | 57.1 | 0.41 | 0.54 | 25.2 | 25.7 | 0.51 | 6.50 | 7.01 | — | 39,242 | 39,242 | 0.75 | 4.23 | 40.9 | 40,561 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | — | 7,678 | 7,678 | 0.73 | 0.09 | — | 7,722 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 757 | 757 | 0.07 | 0.01 | — | 761 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 8,435 | 8,435 | 0.80 | 0.10 | — | 8,484 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 7,678 | 7,678 | 0.73 | 0.09 | — | 7,722 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 757 | 757 | 0.07 | 0.01 | — | 761 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 8,435 | 8,435 | 0.80 | 0.10 | — | 8,484 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,271 | 1,271 | 0.12 | 0.01 | — | 1,279 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 125 | 125 | 0.01 | < 0.005 | — | 126 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 1,396 | 1,396 | 0.13 | 0.02 | — | 1,405 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 7,678 | 7,678 | 0.73 | 0.09 | — | 7,722 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 757 | 757 | 0.07 | 0.01 | — | 761 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 8,435 | 8,435 | 0.80 | 0.10 | — | 8,484 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Wareho Rail | — | — | — | — | — | — | — | — | — | — | — | — | 7,678 | 7,678 | 0.73 | 0.09 | — | 7,722 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 757 | 757 | 0.07 | 0.01 | — | 761 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 8,435 | 8,435 | 0.80 | 0.10 | — | 8,484 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Wareho use-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,271 | 1,271 | 0.12 | 0.01 | — | 1,279 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 125 | 125 | 0.01 | < 0.005 | — | 126 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 1,396 | 1,396 | 0.13 | 0.02 | — | 1,405 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

### 4.2.4. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 43.7 | 43.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.46 | 5.46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 15.7 | 14.5 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Total | 64.9 | 63.7 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 43.7 | 43.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.46 | 5.46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 49.2 | 49.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 7.98 | 7.98 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.00 | 1.00 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Landscape | 1.96 | 1.81 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |
| Total | 10.9 | 10.8 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |

### 4.3.2. 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 | 43.7 | 43.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.46 | 5.46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 15.7 | 14.5 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Total | 64.9 | 63.7 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 43.7 | 43.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.46 | 5.46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 49.2 | 49.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consum Products | 7.98 | 7.98 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.00 | 1.00 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 1.96 | 1.81 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |
| Total | 10.9 | 10.8 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2.33 | 45.0 | 47.4 | 0.24 | 0.01 | — | 55.3 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2.33 | 45.0 | 47.4 | 0.24 | 0.01 | — | 55.3 |

### 4.4.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 11.3 | 218 | 229 | 1.18 | 0.03 | — | 267 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 11.3 | 218 | 229 | 1.18 | 0.03 | — | 267 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 11.3 | 218 | 229 | 1.18 | 0.03 | — | 267 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 11.3 | 218 | 229 | 1.18 | 0.03 | — | 267 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1.87 | 36.0 | 37.9 | 0.19 | < 0.005 | — | 44.2 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1.87 | 36.0 | 37.9 | 0.19 | < 0.005 | — | 44.2 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |

### 4.5.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |

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

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

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Total | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Total | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Total | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |

## 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 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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

## 5.9. 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 140 | 69.3 | 65.1 | 43,486 | 13,221 | 6,553 | 6,151 | 4,109,433 |
| Unrefrigerated Warehouse-No Rail | 117 | 99.8 | 99.2 | 40,822 | 11,029 | 9,420 | 9,363 | 3,854,794 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 5,663 | 3,453 | 3,398 | 1,833,752 | 141,031 | 85,992 | 84,629 | 45,665,519 |
| Unrefrigerated Warehouse-No Rail | 492 | 230 | 215 | 151,318 | 46,428 | 21,682 | 20,303 | 14,293,523 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 140 | 69.3 | 65.1 | 43,486 | 13,221 | 6,553 | 6,151 | 4,109,433 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 117 | 99.8 | 99.2 | 40,822 | 11,029 | 9,420 | 9,363 | 3,854,794 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 5,663 | 3,453 | 3,398 | 1,833,752 | 141,031 | 85,992 | 84,629 | 45,665,519 |
| Unrefrigerated Warehouse-No Rail | 492 | 230 | 215 | 151,318 | 46,428 | 21,682 | 20,303 | 14,293,523 |

## 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) |
|---|---|---|---|---|
| 0 | 0.00 | 3,041,499 | 1,013,833 | 246,504 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

### 5.10.4. Landscape Equipment - Mitigated

| Season | Unit | Value |
|---|---|---|

| | | |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

## 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) |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 2,428,360 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 2,428,360 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 798,124 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 3,237,811 | 346 | 0.0330 | 0.0040 | 0.00 |

### 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) |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 2,428,360 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 2,428,360 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 798,124 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 3,237,811 | 346 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 2,451,097 | 14,869,659 |
| Unrefrigerated Warehouse-No Rail | 2,451,097 | 14,869,659 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 2,451,097 | 14,869,659 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,960,878 | 11,895,727 |
| Unrefrigerated Warehouse-No Rail | 1,960,878 | 11,895,727 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 1,960,878 | 11,895,727 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 572 | — |
| Unrefrigerated Warehouse-No Rail | 572 | — |
| Parking Lot | 0.00 | — |

| | | |
|---|---|---|
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 762 | — |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 572 | — |
| Unrefrigerated Warehouse-No Rail | 572 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 762 | — |

## 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 |
|---|---|---|---|---|---|---|---|

### 5.14.2. Mitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|

## 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |

### 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |

| | |
|---|---|
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |

| | |
|---|---|
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |

| | |
|---|---|
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas. Assumes 1,237,500 kWh per year will be generated by solar. |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Characteristics: Project Details | — |

# 15718 Beaumont Heights Option A (Phase 3) Mitigated Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option A (Phase 3) Mitigated |
| Operational Year | 2030 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,055 | 1000sqft | 24.2 | 1,054,976 | 571,899 | — | — | High-Cube Fulfillment (Non-Sort) |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,055 | 1000sqft | 24.2 | 1,054,976 | 571,899 | — | — | High-Cube Fulfillment (Sort) |
| Parking Lot | 4,012 | Space | 36.1 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 106 | Acre | 106 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 3,517 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Cars |
| Unrefrigerated Warehouse-No Rail | 1,407 | 1000sqft | 32.3 | 1,406,634 | 571,899 | — | — | Warehousing |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |

## 2. Emissions Summary

### 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. | 168 | 156 | 292 | 850 | 4.49 | 6.21 | 276 | 283 | 5.87 | 71.3 | 77.2 | 1,806 | 482,544 | 484,350 | 191 | 49.5 | 1,016 | 504,877 |
| Mit. | 168 | 156 | 292 | 850 | 4.49 | 6.21 | 276 | 283 | 5.87 | 71.3 | 77.2 | 1,801 | 482,484 | 484,285 | 190 | 49.5 | 1,016 | 504,795 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 139 | 129 | 305 | 572 | 4.36 | 5.94 | 276 | 282 | 5.67 | 71.3 | 77.0 | 1,806 | 469,530 | 471,337 | 191 | 49.7 | 26.3 | 490,947 |
| Mit. | 139 | 129 | 305 | 572 | 4.36 | 5.94 | 276 | 282 | 5.67 | 71.3 | 77.0 | 1,801 | 469,470 | 471,272 | 190 | 49.7 | 26.3 | 490,865 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 151 | 141 | 266 | 638 | 3.85 | 5.18 | 243 | 248 | 4.90 | 62.6 | 67.5 | 1,806 | 415,154 | 416,960 | 190 | 43.1 | 385 | 434,945 |
| Mit. | 151 | 141 | 266 | 638 | 3.85 | 5.18 | 243 | 248 | 4.90 | 62.6 | 67.5 | 1,801 | 415,094 | 416,895 | 189 | 43.1 | 385 | 434,863 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 27.5 | 25.7 | 48.5 | 116 | 0.70 | 0.94 | 44.3 | 45.2 | 0.89 | 11.4 | 12.3 | 299 | 68,733 | 69,033 | 31.4 | 7.14 | 63.8 | 72,010 |
| Mit. | 27.5 | 25.7 | 48.5 | 116 | 0.70 | 0.94 | 44.3 | 45.2 | 0.89 | 11.4 | 12.3 | 298 | 68,723 | 69,022 | 31.3 | 7.14 | 63.8 | 71,997 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |

## 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 | 53.8 | 43.9 | 286 | 693 | 4.47 | 5.72 | 276 | 282 | 5.45 | 71.3 | 76.8 | — | 469,785 | 469,785 | 8.59 | 49.2 | 1,016 | 485,685 |
| Area | 112 | 110 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 11,074 | 11,074 | 1.40 | 0.17 | — | 11,160 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Stationary | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Total | 168 | 156 | 292 | 850 | 4.49 | 6.21 | 276 | 283 | 5.87 | 71.3 | 77.2 | 1,806 | 482,544 | 484,350 | 191 | 49.5 | 1,016 | 504,877 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 52.2 | 42.4 | 300 | 568 | 4.35 | 5.72 | 276 | 282 | 5.45 | 71.3 | 76.8 | — | 457,400 | 457,400 | 8.65 | 49.5 | 26.3 | 472,387 |
| Area | 85.1 | 85.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 11,074 | 11,074 | 1.40 | 0.17 | — | 11,160 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Stationary | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Total | 139 | 129 | 305 | 572 | 4.36 | 5.94 | 276 | 282 | 5.67 | 71.3 | 77.0 | 1,806 | 469,530 | 471,337 | 191 | 49.7 | 26.3 | 490,947 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 46.8 | 38.1 | 264 | 533 | 3.84 | 4.96 | 243 | 248 | 4.73 | 62.6 | 67.3 | — | 403,245 | 403,245 | 7.67 | 42.9 | 385 | 416,607 |
| Area | 104 | 102 | 0.88 | 105 | 0.01 | 0.19 | — | 0.19 | 0.14 | — | 0.14 | — | 431 | 431 | 0.02 | < 0.005 | — | 432 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 11,074 | 11,074 | 1.40 | 0.17 | — | 11,160 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Stationary | 0.22 | 0.20 | 0.57 | 0.52 | < 0.005 | 0.03 | 0.00 | 0.03 | 0.03 | 0.00 | 0.03 | 0.00 | 104 | 104 | < 0.005 | < 0.005 | 0.00 | 104 |
| Total | 151 | 141 | 266 | 638 | 3.85 | 5.18 | 243 | 248 | 4.90 | 62.6 | 67.5 | 1,806 | 415,154 | 416,960 | 190 | 43.1 | 385 | 434,945 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 8.55 | 6.96 | 48.3 | 97.2 | 0.70 | 0.91 | 44.3 | 45.2 | 0.86 | 11.4 | 12.3 | — | 66,762 | 66,762 | 1.27 | 7.10 | 63.8 | 68,974 |
| Area | 18.9 | 18.7 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 1,834 | 1,834 | 0.23 | 0.03 | — | 1,848 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.13 | 49.6 | 53.8 | 0.43 | 0.01 | — | 67.7 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |
| Stationary | 0.04 | 0.04 | 0.10 | 0.09 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 17.1 | 17.1 | < 0.005 | < 0.005 | 0.00 | 17.2 |
| Total | 27.5 | 25.7 | 48.5 | 116 | 0.70 | 0.94 | 44.3 | 45.2 | 0.89 | 11.4 | 12.3 | 299 | 68,733 | 69,033 | 31.4 | 7.14 | 63.8 | 72,010 |

## 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 | 53.8 | 43.9 | 286 | 693 | 4.47 | 5.72 | 276 | 282 | 5.45 | 71.3 | 76.8 | — | 469,785 | 469,785 | 8.59 | 49.2 | 1,016 | 485,685 |
| Area | 112 | 110 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 11,074 | 11,074 | 1.40 | 0.17 | — | 11,160 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 19.9 | 240 | 260 | 2.08 | 0.05 | — | 327 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Stationary | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Total | 168 | 156 | 292 | 850 | 4.49 | 6.21 | 276 | 283 | 5.87 | 71.3 | 77.2 | 1,801 | 482,484 | 484,285 | 190 | 49.5 | 1,016 | 504,795 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 52.2 | 42.4 | 300 | 568 | 4.35 | 5.72 | 276 | 282 | 5.45 | 71.3 | 76.8 | — | 457,400 | 457,400 | 8.65 | 49.5 | 26.3 | 472,387 |
| Area | 85.1 | 85.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 11,074 | 11,074 | 1.40 | 0.17 | — | 11,160 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 19.9 | 240 | 260 | 2.08 | 0.05 | — | 327 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Stationary | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Total | 139 | 129 | 305 | 572 | 4.36 | 5.94 | 276 | 282 | 5.67 | 71.3 | 77.0 | 1,801 | 469,470 | 471,272 | 190 | 49.7 | 26.3 | 490,865 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 46.8 | 38.1 | 264 | 533 | 3.84 | 4.96 | 243 | 248 | 4.73 | 62.6 | 67.3 | — | 403,245 | 403,245 | 7.67 | 42.9 | 385 | 416,607 |
| Area | 104 | 102 | 0.88 | 105 | 0.01 | 0.19 | — | 0.19 | 0.14 | — | 0.14 | — | 431 | 431 | 0.02 | < 0.005 | — | 432 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 11,074 | 11,074 | 1.40 | 0.17 | — | 11,160 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | — | — | — | — | — | — | — | — | — | — | — | 19.9 | 240 | 260 | 2.08 | 0.05 | — | 327 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Stationary | 0.22 | 0.20 | 0.57 | 0.52 | < 0.005 | 0.03 | 0.00 | 0.03 | 0.03 | 0.00 | 0.03 | 0.00 | 104 | 104 | < 0.005 | < 0.005 | 0.00 | 104 |
| Total | 151 | 141 | 266 | 638 | 3.85 | 5.18 | 243 | 248 | 4.90 | 62.6 | 67.5 | 1,801 | 415,094 | 416,895 | 189 | 43.1 | 385 | 434,863 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 8.55 | 6.96 | 48.3 | 97.2 | 0.70 | 0.91 | 44.3 | 45.2 | 0.86 | 11.4 | 12.3 | — | 66,762 | 66,762 | 1.27 | 7.10 | 63.8 | 68,974 |
| Area | 18.9 | 18.7 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 1,834 | 1,834 | 0.23 | 0.03 | — | 1,848 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 39.7 | 43.0 | 0.34 | 0.01 | — | 54.2 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |
| Stationary | 0.04 | 0.04 | 0.10 | 0.09 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 17.1 | 17.1 | < 0.005 | < 0.005 | 0.00 | 17.2 |
| Total | 27.5 | 25.7 | 48.5 | 116 | 0.70 | 0.94 | 44.3 | 45.2 | 0.89 | 11.4 | 12.3 | 298 | 68,723 | 69,022 | 31.3 | 7.14 | 63.8 | 71,997 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 9.93 | 4.89 | 260 | 60.2 | 2.87 | 5.16 | 106 | 111 | 4.94 | 28.3 | 33.3 | — | 307,825 | 307,825 | 4.55 | 46.2 | 668 | 322,375 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 43.9 | 39.0 | 26.2 | 633 | 1.60 | 0.56 | 170 | 171 | 0.51 | 43.0 | 43.5 | — | 161,960 | 161,960 | 4.04 | 3.03 | 347 | 163,310 |
| Total | 53.8 | 43.9 | 286 | 693 | 4.47 | 5.72 | 276 | 282 | 5.45 | 71.3 | 76.8 | — | 469,785 | 469,785 | 8.59 | 49.2 | 1,016 | 485,685 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 9.83 | 4.80 | 271 | 60.2 | 2.87 | 5.16 | 106 | 111 | 4.94 | 28.3 | 33.3 | — | 307,858 | 307,858 | 4.55 | 46.2 | 17.3 | 321,761 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 42.4 | 37.6 | 29.2 | 508 | 1.48 | 0.56 | 170 | 171 | 0.51 | 43.0 | 43.5 | — | 149,543 | 149,543 | 4.11 | 3.26 | 9.01 | 150,625 |
| Total | 52.2 | 42.4 | 300 | 568 | 4.35 | 5.72 | 276 | 282 | 5.45 | 71.3 | 76.8 | — | 457,400 | 457,400 | 8.65 | 49.5 | 26.3 | 472,387 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 1.56 | 0.76 | 43.2 | 9.44 | 0.45 | 0.81 | 16.5 | 17.3 | 0.78 | 4.40 | 5.18 | — | 43,966 | 43,966 | 0.65 | 6.60 | 41.2 | 45,990 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| User Defined Industrial | 6.99 | 6.20 | 5.00 | 87.8 | 0.25 | 0.09 | 27.8 | 27.9 | 0.09 | 7.02 | 7.10 | — | 22,796 | 22,796 | 0.62 | 0.50 | 22.6 | 22,984 |
| Total | 8.55 | 6.96 | 48.3 | 97.2 | 0.70 | 0.91 | 44.3 | 45.2 | 0.86 | 11.4 | 12.3 | — | 66,762 | 66,762 | 1.27 | 7.10 | 63.8 | 68,974 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 9.93 | 4.89 | 260 | 60.2 | 2.87 | 5.16 | 106 | 111 | 4.94 | 28.3 | 33.3 | — | 307,825 | 307,825 | 4.55 | 46.2 | 668 | 322,375 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 43.9 | 39.0 | 26.2 | 633 | 1.60 | 0.56 | 170 | 171 | 0.51 | 43.0 | 43.5 | — | 161,960 | 161,960 | 4.04 | 3.03 | 347 | 163,310 |
| Total | 53.8 | 43.9 | 286 | 693 | 4.47 | 5.72 | 276 | 282 | 5.45 | 71.3 | 76.8 | — | 469,785 | 469,785 | 8.59 | 49.2 | 1,016 | 485,685 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 9.83 | 4.80 | 271 | 60.2 | 2.87 | 5.16 | 106 | 111 | 4.94 | 28.3 | 33.3 | — | 307,858 | 307,858 | 4.55 | 46.2 | 17.3 | 321,761 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 42.4 | 37.6 | 29.2 | 508 | 1.48 | 0.56 | 170 | 171 | 0.51 | 43.0 | 43.5 | — | 149,543 | 149,543 | 4.11 | 3.26 | 9.01 | 150,625 |
| Total | 52.2 | 42.4 | 300 | 568 | 4.35 | 5.72 | 276 | 282 | 5.45 | 71.3 | 76.8 | — | 457,400 | 457,400 | 8.65 | 49.5 | 26.3 | 472,387 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 1.56 | 0.76 | 43.2 | 9.44 | 0.45 | 0.81 | 16.5 | 17.3 | 0.78 | 4.40 | 5.18 | — | 43,966 | 43,966 | 0.65 | 6.60 | 41.2 | 45,990 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 6.99 | 6.20 | 5.00 | 87.8 | 0.25 | 0.09 | 27.8 | 27.9 | 0.09 | 7.02 | 7.10 | — | 22,796 | 22,796 | 0.62 | 0.50 | 22.6 | 22,984 |
| Total | 8.55 | 6.96 | 48.3 | 97.2 | 0.70 | 0.91 | 44.3 | 45.2 | 0.86 | 11.4 | 12.3 | — | 66,762 | 66,762 | 1.27 | 7.10 | 63.8 | 68,974 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | — | 10,090 | 10,090 | 1.28 | 0.15 | — | 10,168 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 984 | 984 | 0.12 | 0.02 | — | 992 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 11,074 | 11,074 | 1.40 | 0.17 | — | 11,160 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,090 | 10,090 | 1.28 | 0.15 | — | 10,168 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 984 | 984 | 0.12 | 0.02 | — | 992 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 11,074 | 11,074 | 1.40 | 0.17 | — | 11,160 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,671 | 1,671 | 0.21 | 0.03 | — | 1,683 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 163 | 163 | 0.02 | < 0.005 | — | 164 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 1,834 | 1,834 | 0.23 | 0.03 | — | 1,848 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,090 | 10,090 | 1.28 | 0.15 | — | 10,168 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 984 | 984 | 0.12 | 0.02 | — | 992 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 11,074 | 11,074 | 1.40 | 0.17 | — | 11,160 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Wareho Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,090 | 10,090 | 1.28 | 0.15 | — | 10,168 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 984 | 984 | 0.12 | 0.02 | — | 992 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 11,074 | 11,074 | 1.40 | 0.17 | — | 11,160 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Wareho use-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,671 | 1,671 | 0.21 | 0.03 | — | 1,683 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 163 | 163 | 0.02 | < 0.005 | — | 164 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 1,834 | 1,834 | 0.23 | 0.03 | — | 1,848 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

### 4.2.4. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 75.7 | 75.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.41 | 9.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 27.2 | 25.1 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Total | 112 | 110 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 75.7 | 75.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.41 | 9.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 85.1 | 85.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 13.8 | 13.8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.72 | 1.72 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Landscape | 3.40 | 3.14 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |
| Total | 18.9 | 18.7 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |

### 4.3.2. 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 | 75.7 | 75.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.41 | 9.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 27.2 | 25.1 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Total | 112 | 110 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 75.7 | 75.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.41 | 9.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 85.1 | 85.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consum Products | 13.8 | 13.8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.72 | 1.72 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 3.40 | 3.14 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |
| Total | 18.9 | 18.7 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 4.13 | 49.6 | 53.8 | 0.43 | 0.01 | — | 67.7 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.13 | 49.6 | 53.8 | 0.43 | 0.01 | — | 67.7 |

### 4.4.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 19.9 | 240 | 260 | 2.08 | 0.05 | — | 327 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 19.9 | 240 | 260 | 2.08 | 0.05 | — | 327 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 19.9 | 240 | 260 | 2.08 | 0.05 | — | 327 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 19.9 | 240 | 260 | 2.08 | 0.05 | — | 327 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 39.7 | 43.0 | 0.34 | 0.01 | — | 54.2 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 39.7 | 43.0 | 0.34 | 0.01 | — | 54.2 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |

### 4.5.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |

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

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

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Total | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Total | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.04 | 0.04 | 0.10 | 0.09 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 17.1 | 17.1 | < 0.005 | < 0.005 | 0.00 | 17.2 |
| Total | 0.04 | 0.04 | 0.10 | 0.09 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 17.1 | 17.1 | < 0.005 | < 0.005 | 0.00 | 17.2 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Total | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Total | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.04 | 0.04 | 0.10 | 0.09 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 17.1 | 17.1 | < 0.005 | < 0.005 | 0.00 | 17.2 |
| Total | 0.04 | 0.04 | 0.10 | 0.09 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 17.1 | 17.1 | < 0.005 | < 0.005 | 0.00 | 17.2 |

## 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 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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

## 5.9. 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 243 | 120 | 113 | 75,418 | 22,930 | 11,365 | 10,667 | 7,126,999 |
| Unrefrigerated Warehouse-No Rail | 203 | 173 | 172 | 70,797 | 19,127 | 16,338 | 16,238 | 6,685,378 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 9,823 | 6,776 | 6,667 | 3,262,061 | 244,626 | 168,753 | 166,038 | 81,234,387 |
| Unrefrigerated Warehouse-No Rail | 845 | 394 | 369 | 260,158 | 79,881 | 37,216 | 34,823 | 24,582,326 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 243 | 120 | 113 | 75,418 | 22,930 | 11,365 | 10,667 | 7,126,999 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 203 | 173 | 172 | 70,797 | 19,127 | 16,338 | 16,238 | 6,685,378 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 9,823 | 6,776 | 6,667 | 3,262,061 | 244,626 | 168,753 | 166,038 | 81,234,387 |
| Unrefrigerated Warehouse-No Rail | 845 | 394 | 369 | 260,158 | 79,881 | 37,216 | 34,823 | 24,582,326 |

## 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) |
|---|---|---|---|---|
| 0 | 0.00 | 5,274,879 | 1,758,293 | 372,328 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

### 5.10.4. Landscape Equipment - Mitigated

| Season | Unit | Value |
|---|---|---|

| | | |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

## 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) |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 4,236,620 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,236,620 | 261 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 1,377,829 | 261 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 5,648,824 | 261 | 0.0330 | 0.0040 | 0.00 |

### 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) |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 4,236,620 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,236,620 | 261 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 1,377,829 | 261 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 5,648,824 | 261 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 4,337,417 | 20,800,145 |
| Unrefrigerated Warehouse-No Rail | 4,337,417 | 20,800,145 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,337,417 | 20,800,145 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 3,469,934 | 16,640,116 |
| Unrefrigerated Warehouse-No Rail | 3,469,934 | 16,640,116 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 3,469,934 | 16,640,116 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 992 | — |
| Unrefrigerated Warehouse-No Rail | 992 | — |
| Parking Lot | 0.00 | — |

| | | |
|---|---|---|
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 1,322 | — |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 992 | — |
| Unrefrigerated Warehouse-No Rail | 992 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 1,322 | — |

## 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 |
|---|---|---|---|---|---|---|---|

### 5.14.2. Mitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|

## 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |

### 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |

| | | | | |
|---|---|---|---|---|
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |

| | |
|---|---|
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |

| | |
|---|---|
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |

| | |
|---|---|
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas. Assumes 2,062,500 kWh per year will be generated by solar. |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Characteristics: Project Details | — |

# 15718 Beaumont Heights Option A (Phase 4) Mitigated Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option A (Phase 4) Mitigated |
| Operational Year | 2032 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,555 | 1000sqft | 35.7 | 1,554,868 | 840,773 | — | — | High-Cube Fulfillment (Non-Sort) |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,555 | 1000sqft | 35.7 | 1,554,867 | 840,773 | — | — | High-Cube Fulfillment (Sort) |
| Parking Lot | 6,025 | Space | 54.2 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 155 | Acre | 155 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 5,183 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Cars |
| Unrefrigerated Warehouse-No Rail | 2,073 | 1000sqft | 47.6 | 2,073,156 | 840,773 | — | — | Warehousing |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |

# 2. Emissions Summary

## 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. | 241 | 224 | 394 | 1,184 | 6.30 | 8.66 | 407 | 416 | 8.19 | 105 | 113 | 2,663 | 677,700 | 680,363 | 280 | 68.7 | 1,183 | 709,040 |
| Mit. | 241 | 224 | 394 | 1,184 | 6.30 | 8.66 | 407 | 416 | 8.19 | 105 | 113 | 2,655 | 677,623 | 680,278 | 280 | 68.7 | 1,183 | 708,931 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 199 | 185 | 411 | 785 | 6.11 | 8.26 | 407 | 415 | 7.89 | 105 | 113 | 2,663 | 659,075 | 661,738 | 280 | 69.1 | 30.7 | 689,363 |
| Mit. | 199 | 185 | 411 | 785 | 6.11 | 8.26 | 407 | 415 | 7.89 | 105 | 113 | 2,655 | 658,998 | 661,653 | 280 | 69.1 | 30.7 | 689,254 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 216 | 202 | 358 | 870 | 5.35 | 7.21 | 352 | 359 | 6.82 | 90.7 | 97.6 | 2,663 | 578,251 | 580,913 | 279 | 59.8 | 445 | 606,162 |
| Mit. | 216 | 202 | 358 | 870 | 5.35 | 7.21 | 352 | 359 | 6.82 | 90.7 | 97.6 | 2,655 | 578,174 | 580,829 | 278 | 59.8 | 445 | 606,052 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 39.4 | 36.9 | 65.3 | 159 | 0.98 | 1.32 | 64.2 | 65.5 | 1.24 | 16.6 | 17.8 | 441 | 95,736 | 96,177 | 46.2 | 9.91 | 73.6 | 100,357 |
| Mit. | 39.4 | 36.9 | 65.3 | 159 | 0.98 | 1.32 | 64.2 | 65.5 | 1.24 | 16.6 | 17.8 | 440 | 95,723 | 96,163 | 46.0 | 9.90 | 73.6 | 100,339 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |

## 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 | 73.5 | 59.9 | 386 | 953 | 6.27 | 7.97 | 407 | 415 | 7.60 | 105 | 113 | — | 658,921 | 658,921 | 11.9 | 68.4 | 1,183 | 680,779 |
| Area | 166 | 163 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 16,458 | 16,458 | 2.08 | 0.25 | — | 16,586 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Stationary | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Total | 241 | 224 | 394 | 1,184 | 6.30 | 8.66 | 407 | 416 | 8.19 | 105 | 113 | 2,663 | 677,700 | 680,363 | 280 | 68.7 | 1,183 | 709,040 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 71.4 | 57.8 | 405 | 780 | 6.10 | 7.97 | 407 | 415 | 7.60 | 105 | 113 | — | 641,223 | 641,223 | 12.0 | 68.7 | 30.7 | 662,033 |
| Area | 125 | 125 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 16,458 | 16,458 | 2.08 | 0.25 | — | 16,586 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Stationary | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Total | 199 | 185 | 411 | 785 | 6.11 | 8.26 | 407 | 415 | 7.89 | 105 | 113 | 2,663 | 659,075 | 661,738 | 280 | 69.1 | 30.7 | 689,363 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 62.7 | 50.9 | 356 | 715 | 5.34 | 6.90 | 352 | 359 | 6.57 | 90.7 | 97.3 | — | 560,633 | 560,633 | 10.5 | 59.5 | 445 | 579,066 |
| Area | 153 | 151 | 1.30 | 154 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 635 | 635 | 0.03 | 0.01 | — | 637 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 16,458 | 16,458 | 2.08 | 0.25 | — | 16,586 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Stationary | 0.30 | 0.27 | 0.75 | 0.69 | < 0.005 | 0.04 | 0.00 | 0.04 | 0.04 | 0.00 | 0.04 | 0.00 | 138 | 138 | 0.01 | < 0.005 | 0.00 | 138 |
| Total | 216 | 202 | 358 | 870 | 5.35 | 7.21 | 352 | 359 | 6.82 | 90.7 | 97.6 | 2,663 | 578,251 | 580,913 | 279 | 59.8 | 445 | 606,162 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.4 | 9.28 | 64.9 | 130 | 0.97 | 1.26 | 64.2 | 65.4 | 1.20 | 16.6 | 17.8 | — | 92,819 | 92,819 | 1.74 | 9.85 | 73.6 | 95,871 |
| Area | 27.9 | 27.5 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 2,725 | 2,725 | 0.34 | 0.04 | — | 2,746 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 6.11 | 64.0 | 70.1 | 0.63 | 0.02 | — | 90.7 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |
| Stationary | 0.05 | 0.05 | 0.14 | 0.13 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 22.8 | 22.8 | < 0.005 | < 0.005 | 0.00 | 22.9 |
| Total | 39.4 | 36.9 | 65.3 | 159 | 0.98 | 1.32 | 64.2 | 65.5 | 1.24 | 16.6 | 17.8 | 441 | 95,736 | 96,177 | 46.2 | 9.91 | 73.6 | 100,357 |

## 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 | 73.5 | 59.9 | 386 | 953 | 6.27 | 7.97 | 407 | 415 | 7.60 | 105 | 113 | — | 658,921 | 658,921 | 11.9 | 68.4 | 1,183 | 680,779 |
| Area | 166 | 163 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 16,458 | 16,458 | 2.08 | 0.25 | — | 16,586 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 29.5 | 309 | 339 | 3.07 | 0.08 | — | 438 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Stationary | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Total | 241 | 224 | 394 | 1,184 | 6.30 | 8.66 | 407 | 416 | 8.19 | 105 | 113 | 2,655 | 677,623 | 680,278 | 280 | 68.7 | 1,183 | 708,931 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 71.4 | 57.8 | 405 | 780 | 6.10 | 7.97 | 407 | 415 | 7.60 | 105 | 113 | — | 641,223 | 641,223 | 12.0 | 68.7 | 30.7 | 662,033 |
| Area | 125 | 125 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 16,458 | 16,458 | 2.08 | 0.25 | — | 16,586 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 29.5 | 309 | 339 | 3.07 | 0.08 | — | 438 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Stationary | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Total | 199 | 185 | 411 | 785 | 6.11 | 8.26 | 407 | 415 | 7.89 | 105 | 113 | 2,655 | 658,998 | 661,653 | 280 | 69.1 | 30.7 | 689,254 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 62.7 | 50.9 | 356 | 715 | 5.34 | 6.90 | 352 | 359 | 6.57 | 90.7 | 97.3 | — | 560,633 | 560,633 | 10.5 | 59.5 | 445 | 579,066 |
| Area | 153 | 151 | 1.30 | 154 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 635 | 635 | 0.03 | 0.01 | — | 637 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 16,458 | 16,458 | 2.08 | 0.25 | — | 16,586 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water | — | — | — | — | — | — | — | — | — | — | — | 29.5 | 309 | 339 | 3.07 | 0.08 | — | 438 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Stationary | 0.30 | 0.27 | 0.75 | 0.69 | < 0.005 | 0.04 | 0.00 | 0.04 | 0.04 | 0.00 | 0.04 | 0.00 | 138 | 138 | 0.01 | < 0.005 | 0.00 | 138 |
| Total | 216 | 202 | 358 | 870 | 5.35 | 7.21 | 352 | 359 | 6.82 | 90.7 | 97.6 | 2,655 | 578,174 | 580,829 | 278 | 59.8 | 445 | 606,052 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 11.4 | 9.28 | 64.9 | 130 | 0.97 | 1.26 | 64.2 | 65.4 | 1.20 | 16.6 | 17.8 | — | 92,819 | 92,819 | 1.74 | 9.85 | 73.6 | 95,871 |
| Area | 27.9 | 27.5 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 2,725 | 2,725 | 0.34 | 0.04 | — | 2,746 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.89 | 51.2 | 56.1 | 0.51 | 0.01 | — | 72.6 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |
| Stationary | 0.05 | 0.05 | 0.14 | 0.13 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 22.8 | 22.8 | < 0.005 | < 0.005 | 0.00 | 22.9 |
| Total | 39.4 | 36.9 | 65.3 | 159 | 0.98 | 1.32 | 64.2 | 65.5 | 1.24 | 16.6 | 17.8 | 440 | 95,723 | 96,163 | 46.0 | 9.90 | 73.6 | 100,339 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 13.5 | 6.43 | 351 | 79.4 | 3.98 | 7.24 | 156 | 163 | 6.93 | 41.7 | 48.6 | — | 427,133 | 427,133 | 6.42 | 64.2 | 799 | 447,220 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 60.0 | 53.4 | 34.8 | 874 | 2.29 | 0.73 | 251 | 252 | 0.67 | 63.3 | 64.0 | — | 231,787 | 231,787 | 5.49 | 4.20 | 384 | 233,559 |
| Total | 73.5 | 59.9 | 386 | 953 | 6.27 | 7.97 | 407 | 415 | 7.60 | 105 | 113 | — | 658,921 | 658,921 | 11.9 | 68.4 | 1,183 | 680,779 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 13.4 | 6.31 | 367 | 79.5 | 3.98 | 7.25 | 156 | 163 | 6.93 | 41.7 | 48.6 | — | 427,182 | 427,182 | 6.42 | 64.2 | 20.7 | 446,496 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 58.0 | 51.5 | 38.7 | 700 | 2.12 | 0.73 | 251 | 252 | 0.67 | 63.3 | 64.0 | — | 214,041 | 214,041 | 5.57 | 4.52 | 9.96 | 215,536 |
| Total | 71.4 | 57.8 | 405 | 780 | 6.10 | 7.97 | 407 | 415 | 7.60 | 105 | 113 | — | 641,223 | 641,223 | 12.0 | 68.7 | 30.7 | 662,033 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 2.11 | 1.00 | 58.5 | 12.5 | 0.63 | 1.14 | 24.2 | 25.4 | 1.09 | 6.48 | 7.57 | — | 61,006 | 61,006 | 0.92 | 9.17 | 49.3 | 63,811 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| User Defined Industrial | 9.33 | 8.28 | 6.46 | 118 | 0.35 | 0.12 | 40.0 | 40.1 | 0.11 | 10.1 | 10.2 | — | 31,813 | 31,813 | 0.82 | 0.68 | 24.4 | 32,060 |
| Total | 11.4 | 9.28 | 64.9 | 130 | 0.97 | 1.26 | 64.2 | 65.4 | 1.20 | 16.6 | 17.8 | — | 92,819 | 92,819 | 1.74 | 9.85 | 73.6 | 95,871 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 13.5 | 6.43 | 351 | 79.4 | 3.98 | 7.24 | 156 | 163 | 6.93 | 41.7 | 48.6 | — | 427,133 | 427,133 | 6.42 | 64.2 | 799 | 447,220 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 60.0 | 53.4 | 34.8 | 874 | 2.29 | 0.73 | 251 | 252 | 0.67 | 63.3 | 64.0 | — | 231,787 | 231,787 | 5.49 | 4.20 | 384 | 233,559 |
| Total | 73.5 | 59.9 | 386 | 953 | 6.27 | 7.97 | 407 | 415 | 7.60 | 105 | 113 | — | 658,921 | 658,921 | 11.9 | 68.4 | 1,183 | 680,779 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 13.4 | 6.31 | 367 | 79.5 | 3.98 | 7.25 | 156 | 163 | 6.93 | 41.7 | 48.6 | — | 427,182 | 427,182 | 6.42 | 64.2 | 20.7 | 446,496 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 58.0 | 51.5 | 38.7 | 700 | 2.12 | 0.73 | 251 | 252 | 0.67 | 63.3 | 64.0 | — | 214,041 | 214,041 | 5.57 | 4.52 | 9.96 | 215,536 |
| Total | 71.4 | 57.8 | 405 | 780 | 6.10 | 7.97 | 407 | 415 | 7.60 | 105 | 113 | — | 641,223 | 641,223 | 12.0 | 68.7 | 30.7 | 662,033 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 2.11 | 1.00 | 58.5 | 12.5 | 0.63 | 1.14 | 24.2 | 25.4 | 1.09 | 6.48 | 7.57 | — | 61,006 | 61,006 | 0.92 | 9.17 | 49.3 | 63,811 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 9.33 | 8.28 | 6.46 | 118 | 0.35 | 0.12 | 40.0 | 40.1 | 0.11 | 10.1 | 10.2 | — | 31,813 | 31,813 | 0.82 | 0.68 | 24.4 | 32,060 |
| Total | 11.4 | 9.28 | 64.9 | 130 | 0.97 | 1.26 | 64.2 | 65.4 | 1.20 | 16.6 | 17.8 | — | 92,819 | 92,819 | 1.74 | 9.85 | 73.6 | 95,871 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | — | 14,980 | 14,980 | 1.90 | 0.23 | — | 15,096 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 1,478 | 1,478 | 0.19 | 0.02 | — | 1,490 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 16,458 | 16,458 | 2.08 | 0.25 | — | 16,586 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 14,980 | 14,980 | 1.90 | 0.23 | — | 15,096 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 1,478 | 1,478 | 0.19 | 0.02 | — | 1,490 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 16,458 | 16,458 | 2.08 | 0.25 | — | 16,586 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,480 | 2,480 | 0.31 | 0.04 | — | 2,499 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 245 | 245 | 0.03 | < 0.005 | — | 247 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,725 | 2,725 | 0.34 | 0.04 | — | 2,746 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 14,980 | 14,980 | 1.90 | 0.23 | — | 15,096 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 1,478 | 1,478 | 0.19 | 0.02 | — | 1,490 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 16,458 | 16,458 | 2.08 | 0.25 | — | 16,586 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Wareho Rail | — | — | — | — | — | — | — | — | — | — | — | — | 14,980 | 14,980 | 1.90 | 0.23 | — | 15,096 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 1,478 | 1,478 | 0.19 | 0.02 | — | 1,490 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 16,458 | 16,458 | 2.08 | 0.25 | — | 16,586 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Wareho use-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,480 | 2,480 | 0.31 | 0.04 | — | 2,499 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 245 | 245 | 0.03 | < 0.005 | — | 247 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,725 | 2,725 | 0.34 | 0.04 | — | 2,746 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

### 4.2.4. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 112 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 40.1 | 37.0 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Total | 166 | 163 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 112 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 125 | 125 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 20.4 | 20.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 2.53 | 2.53 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Landscape | 5.02 | 4.63 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Total | 27.9 | 27.5 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |

### 4.3.2. 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 | 112 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 40.1 | 37.0 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Total | 166 | 163 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 112 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 125 | 125 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Consum Products | 20.4 | 20.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 2.53 | 2.53 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 5.02 | 4.63 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Total | 27.9 | 27.5 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 6.11 | 64.0 | 70.1 | 0.63 | 0.02 | — | 90.7 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 6.11 | 64.0 | 70.1 | 0.63 | 0.02 | — | 90.7 |

### 4.4.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 29.5 | 309 | 339 | 3.07 | 0.08 | — | 438 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 29.5 | 309 | 339 | 3.07 | 0.08 | — | 438 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 29.5 | 309 | 339 | 3.07 | 0.08 | — | 438 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 29.5 | 309 | 339 | 3.07 | 0.08 | — | 438 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 4.89 | 51.2 | 56.1 | 0.51 | 0.01 | — | 72.6 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.89 | 51.2 | 56.1 | 0.51 | 0.01 | — | 72.6 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |

### 4.5.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |

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

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

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Total | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Total | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.05 | 0.05 | 0.14 | 0.13 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 22.8 | 22.8 | < 0.005 | < 0.005 | 0.00 | 22.9 |
| Total | 0.05 | 0.05 | 0.14 | 0.13 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 22.8 | 22.8 | < 0.005 | < 0.005 | 0.00 | 22.9 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Total | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Total | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.05 | 0.05 | 0.14 | 0.13 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 22.8 | 22.8 | < 0.005 | < 0.005 | 0.00 | 22.9 |
| Total | 0.05 | 0.05 | 0.14 | 0.13 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 22.8 | 22.8 | < 0.005 | < 0.005 | 0.00 | 22.9 |

## 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 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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

## 5.9. 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 |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 358 | 177 | 166 | 111,154 | 33,795 | 16,751 | 15,722 | 10,504,070 |
| Unrefrigerated Warehouse-No Rail | 299 | 255 | 253 | 104,344 | 28,191 | 24,079 | 23,933 | 9,853,184 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 14,478 | 8,826 | 8,687 | 4,687,742 | 360,540 | 219,791 | 216,319 | 116,737,833 |
| Unrefrigerated Warehouse-No Rail | 1,246 | 580 | 543 | 383,432 | 117,731 | 54,850 | 51,324 | 36,230,460 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 358 | 177 | 166 | 111,154 | 33,795 | 16,751 | 15,722 | 10,504,070 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 299 | 255 | 253 | 104,344 | 28,191 | 24,079 | 23,933 | 9,853,184 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 14,478 | 8,826 | 8,687 | 4,687,742 | 360,540 | 219,791 | 216,319 | 116,737,833 |
| Unrefrigerated Warehouse-No Rail | 1,246 | 580 | 543 | 383,432 | 117,731 | 54,850 | 51,324 | 36,230,460 |

## 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) |
|---|---|---|---|---|
| 0 | 0.00 | 7,774,337 | 2,591,446 | 546,674 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

### 5.10.4. Landscape Equipment - Mitigated

| Season | Unit | Value |
|---|---|---|

| | | |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

## 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) |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 6,289,799 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 6,289,799 | 261 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 2,069,148 | 261 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 8,386,393 | 261 | 0.0330 | 0.0040 | 0.00 |

### 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) |
|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 6,289,799 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 6,289,799 | 261 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 2,069,148 | 261 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 8,386,393 | 261 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 6,418,282 | 25,753,077 |
| Unrefrigerated Warehouse-No Rail | 6,418,282 | 25,753,077 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 6,418,282 | 25,753,077 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 5,134,626 | 20,602,462 |
| Unrefrigerated Warehouse-No Rail | 5,134,626 | 20,602,462 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 5,134,626 | 20,602,462 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,462 | — |
| Unrefrigerated Warehouse-No Rail | 1,462 | — |
| Parking Lot | 0.00 | — |

| | | |
|---|---|---|
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 1,949 | — |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,462 | — |
| Unrefrigerated Warehouse-No Rail | 1,462 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 1,949 | — |

## 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 |
|---|---|---|---|---|---|---|---|

### 5.14.2. Mitigated

| Land Use Type | Equipment Type | Refrigerant | GWP | Quantity (kg) | Operations Leak Rate | Service Leak Rate | Times Serviced |
|---|---|---|---|---|---|---|---|

## 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |

### 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |

| | | | | |
|---|---|---|---|---|
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |

| | |
|---|---|
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |

| | |
|---|---|
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |

| | |
|---|---|
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas. Assumes 2,887,500 kWh per year will be generated by solar. |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Characteristics: Project Details | — |

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# APPENDIX 3.3:

# CALEEMOD PROJECT REGIONAL OPERATIONAL EMISSIONS MODEL OUTPUTS – OPTION B

# 15718 Beaumont Heights Option B (Phase 1) Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option B (Phase 1) |
| Operational Year | 2028 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 124 | 1000sqft | 2.84 | 123,796 | 99,480 | — | — | Cold Storage |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 192 | 1000sqft | 4.42 | 192,487 | 99,480 | — | — | Non-Sort |
| Unrefrigerated Warehouse-No Rail | 192 | 1000sqft | 4.42 | 192,487 | 99,480 | — | — | Sort |
| Parking Lot | 822 | Space | 7.40 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 29.6 | Acre | 29.6 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 642 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Vehicles |
| Unrefrigerated Warehouse-No Rail | 133 | 1000sqft | 3.05 | 132,853 | 99,480 | — | — | Warehousing |

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

No measures selected

# 2. Emissions Summary

## 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. | 37.2 | 34.3 | 83.5 | 183 | 0.92 | 1.96 | 53.2 | 55.1 | 1.90 | 13.7 | 15.6 | 330 | 102,214 | 102,543 | 35.3 | 10.0 | 379 | 106,798 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 31.9 | 29.4 | 86.4 | 130 | 0.90 | 1.91 | 53.2 | 55.1 | 1.86 | 13.7 | 15.6 | 330 | 99,710 | 100,040 | 35.3 | 10.1 | 133 | 104,064 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 29.5 | 27.3 | 61.1 | 130 | 0.78 | 1.18 | 46.6 | 47.8 | 1.12 | 12.1 | 13.2 | 330 | 87,100 | 87,429 | 35.0 | 8.84 | 223 | 91,162 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.38 | 4.99 | 11.2 | 23.7 | 0.14 | 0.22 | 8.51 | 8.72 | 0.20 | 2.20 | 2.40 | 54.6 | 14,420 | 14,475 | 5.80 | 1.46 | 36.8 | 15,093 |

## 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 | 11.2 | 9.18 | 62.2 | 142 | 0.90 | 1.19 | 53.2 | 54.4 | 1.14 | 13.7 | 14.9 | — | 94,397 | 94,397 | 1.74 | 9.96 | 253 | 97,660 |
| Area | 20.6 | 20.2 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 5,096 | 5,096 | 0.49 | 0.06 | — | 5,126 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Stationary | 5.37 | 4.89 | 21.0 | 12.5 | 0.02 | 0.72 | 0.00 | 0.72 | 0.72 | 0.00 | 0.72 | 0.00 | 2,502 | 2,502 | 0.10 | 0.02 | 0.00 | 2,510 |
| Total | 37.2 | 34.3 | 83.5 | 183 | 0.92 | 1.96 | 53.2 | 55.1 | 1.90 | 13.7 | 15.6 | 330 | 102,214 | 102,543 | 35.3 | 10.0 | 379 | 106,798 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 10.9 | 8.86 | 65.3 | 117 | 0.88 | 1.20 | 53.2 | 54.4 | 1.14 | 13.7 | 14.9 | — | 92,009 | 92,009 | 1.75 | 10.0 | 6.55 | 95,041 |
| Area | 15.6 | 15.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 5,096 | 5,096 | 0.49 | 0.06 | — | 5,126 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Stationary | 5.37 | 4.89 | 21.0 | 12.5 | 0.02 | 0.72 | 0.00 | 0.72 | 0.72 | 0.00 | 0.72 | 0.00 | 2,502 | 2,502 | 0.10 | 0.02 | 0.00 | 2,510 |
| Total | 31.9 | 29.4 | 86.4 | 130 | 0.90 | 1.91 | 53.2 | 55.1 | 1.86 | 13.7 | 15.6 | 330 | 99,710 | 100,040 | 35.3 | 10.1 | 133 | 104,064 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.72 | 7.92 | 58.1 | 109 | 0.78 | 1.05 | 46.6 | 47.7 | 1.00 | 12.1 | 13.1 | — | 81,478 | 81,478 | 1.56 | 8.77 | 96.3 | 84,226 |
| Area | 19.0 | 18.8 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 78.6 | 78.6 | < 0.005 | < 0.005 | — | 78.9 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 5,096 | 5,096 | 0.49 | 0.06 | — | 5,126 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Stationary | 0.74 | 0.67 | 2.88 | 1.71 | < 0.005 | 0.10 | 0.00 | 0.10 | 0.10 | 0.00 | 0.10 | 0.00 | 343 | 343 | 0.01 | < 0.005 | 0.00 | 344 |
| Total | 29.5 | 27.3 | 61.1 | 130 | 0.78 | 1.18 | 46.6 | 47.8 | 1.12 | 12.1 | 13.2 | 330 | 87,100 | 87,429 | 35.0 | 8.84 | 223 | 91,162 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.77 | 1.45 | 10.6 | 19.9 | 0.14 | 0.19 | 8.51 | 8.70 | 0.18 | 2.20 | 2.38 | — | 13,490 | 13,490 | 0.26 | 1.45 | 15.9 | 13,945 |
| Area | 3.47 | 3.42 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 844 | 844 | 0.08 | 0.01 | — | 849 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.74 | 17.2 | 17.9 | 0.08 | < 0.005 | — | 20.5 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.9 | 20.9 |
| Stationary | 0.13 | 0.12 | 0.53 | 0.31 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 56.7 | 56.7 | < 0.005 | < 0.005 | 0.00 | 56.9 |
| Total | 5.38 | 4.99 | 11.2 | 23.7 | 0.14 | 0.22 | 8.51 | 8.72 | 0.20 | 2.20 | 2.40 | 54.6 | 14,420 | 14,475 | 5.80 | 1.46 | 36.8 | 15,093 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.91 | 0.55 | 20.3 | 6.29 | 0.20 | 0.39 | 7.96 | 8.35 | 0.37 | 2.14 | 2.51 | — | 21,712 | 21,712 | 0.31 | 3.12 | 65.4 | 22,716 |
| Unrefrigerated Warehouse-No Rail | 1.38 | 0.70 | 36.4 | 8.61 | 0.39 | 0.69 | 13.6 | 14.3 | 0.66 | 3.63 | 4.29 | — | 41,521 | 41,521 | 0.60 | 6.23 | 103 | 43,495 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 8.92 | 7.93 | 5.54 | 128 | 0.31 | 0.12 | 31.6 | 31.8 | 0.11 | 7.98 | 8.09 | — | 31,164 | 31,164 | 0.82 | 0.61 | 84.1 | 31,449 |
| Total | 11.2 | 9.18 | 62.2 | 142 | 0.90 | 1.19 | 53.2 | 54.4 | 1.14 | 13.7 | 14.9 | — | 94,397 | 94,397 | 1.74 | 9.96 | 253 | 97,660 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.91 | 0.54 | 21.1 | 6.26 | 0.20 | 0.39 | 7.96 | 8.35 | 0.37 | 2.14 | 2.51 | — | 21,714 | 21,714 | 0.31 | 3.13 | 1.70 | 22,655 |
| Unrefrigerated Warehouse-No Rail | 1.37 | 0.69 | 38.0 | 8.60 | 0.39 | 0.69 | 13.6 | 14.3 | 0.66 | 3.63 | 4.29 | — | 41,525 | 41,525 | 0.60 | 6.23 | 2.68 | 43,399 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 8.60 | 7.62 | 6.16 | 102 | 0.28 | 0.12 | 31.6 | 31.8 | 0.11 | 7.98 | 8.09 | — | 28,769 | 28,769 | 0.84 | 0.65 | 2.18 | 28,987 |
| Total | 10.9 | 8.86 | 65.3 | 117 | 0.88 | 1.20 | 53.2 | 54.4 | 1.14 | 13.7 | 14.9 | — | 92,009 | 92,009 | 1.75 | 10.0 | 6.55 | 95,041 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.14 | 0.09 | 3.42 | 1.00 | 0.03 | 0.06 | 1.25 | 1.31 | 0.06 | 0.34 | 0.40 | — | 3,140 | 3,140 | 0.04 | 0.45 | 4.08 | 3,280 |
| Unrefrigerated Warehouse-No Rail | 0.22 | 0.11 | 6.13 | 1.37 | 0.06 | 0.11 | 2.13 | 2.24 | 0.11 | 0.57 | 0.68 | — | 5,997 | 5,997 | 0.09 | 0.90 | 6.44 | 6,274 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 1.41 | 1.25 | 1.05 | 17.6 | 0.05 | 0.02 | 5.13 | 5.14 | 0.02 | 1.29 | 1.31 | — | 4,352 | 4,352 | 0.13 | 0.10 | 5.43 | 4,391 |
| Total | 1.77 | 1.45 | 10.6 | 19.9 | 0.14 | 0.19 | 8.51 | 8.70 | 0.18 | 2.20 | 2.38 | — | 13,490 | 13,490 | 0.26 | 1.45 | 15.9 | 13,945 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,568 | 2,568 | 0.24 | 0.03 | — | 2,583 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,260 | 2,260 | 0.22 | 0.03 | — | 2,274 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 268 | 268 | 0.03 | < 0.005 | — | 269 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 5,096 | 5,096 | 0.49 | 0.06 | — | 5,126 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,568 | 2,568 | 0.24 | 0.03 | — | 2,583 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,260 | 2,260 | 0.22 | 0.03 | — | 2,274 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 268 | 268 | 0.03 | < 0.005 | — | 269 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 5,096 | 5,096 | 0.49 | 0.06 | — | 5,126 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 425 | 425 | 0.04 | < 0.005 | — | 428 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 374 | 374 | 0.04 | < 0.005 | — | 376 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 44.3 | 44.3 | < 0.005 | < 0.005 | — | 44.6 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 844 | 844 | 0.08 | 0.01 | — | 849 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 1.75 | 1.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 4.97 | 4.58 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Total | 20.6 | 20.2 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.75 | 1.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 15.6 | 15.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 2.53 | 2.53 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.32 | 0.32 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.62 | 0.57 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |
| Total | 3.47 | 3.42 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1.11 | 26.0 | 27.1 | 0.12 | < 0.005 | — | 30.9 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.34 | 77.9 | 81.3 | 0.35 | 0.01 | — | 92.7 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1.11 | 26.0 | 27.1 | 0.12 | < 0.005 | — | 30.9 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.34 | 77.9 | 81.3 | 0.35 | 0.01 | — | 92.7 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.18 | 4.30 | 4.49 | 0.02 | < 0.005 | — | 5.12 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.55 | 12.9 | 13.5 | 0.06 | < 0.005 | — | 15.4 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 0.74 | 17.2 | 17.9 | 0.08 | < 0.005 | — | 20.5 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 62.7 | 0.00 | 62.7 | 6.27 | 0.00 | — | 219 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 262 | 0.00 | 262 | 26.2 | 0.00 | — | 918 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 62.7 | 0.00 | 62.7 | 6.27 | 0.00 | — | 219 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 262 | 0.00 | 262 | 26.2 | 0.00 | — | 918 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 10.4 | 0.00 | 10.4 | 1.04 | 0.00 | — | 36.3 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 43.4 | 0.00 | 43.4 | 4.34 | 0.00 | — | 152 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.9 | 20.9 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.9 | 20.9 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Emergency Generator | 4.83 | 4.40 | 19.7 | 11.2 | 0.02 | 0.65 | 0.00 | 0.65 | 0.65 | 0.00 | 0.65 | 0.00 | 2,250 | 2,250 | 0.09 | 0.02 | 0.00 | 2,257 |
| Total | 5.37 | 4.89 | 21.0 | 12.5 | 0.02 | 0.72 | 0.00 | 0.72 | 0.72 | 0.00 | 0.72 | 0.00 | 2,502 | 2,502 | 0.10 | 0.02 | 0.00 | 2,510 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency | 4.83 | 4.40 | 19.7 | 11.2 | 0.02 | 0.65 | 0.00 | 0.65 | 0.65 | 0.00 | 0.65 | 0.00 | 2,250 | 2,250 | 0.09 | 0.02 | 0.00 | 2,257 |
| Total | 5.37 | 4.89 | 21.0 | 12.5 | 0.02 | 0.72 | 0.00 | 0.72 | 0.72 | 0.00 | 0.72 | 0.00 | 2,502 | 2,502 | 0.10 | 0.02 | 0.00 | 2,510 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.01 | 0.01 | 0.03 | 0.03 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.00 | 5.73 |
| Emergency Generator | 0.12 | 0.11 | 0.49 | 0.28 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 51.0 | 51.0 | < 0.005 | < 0.005 | 0.00 | 51.2 |
| Total | 0.13 | 0.12 | 0.53 | 0.31 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 56.7 | 56.7 | < 0.005 | < 0.005 | 0.00 | 56.9 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Remove | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 93.1 | 53.0 | 50.8 | 29,680 | 9,108 | 5,184 | 4,966 | 2,903,935 |
| Unrefrigerated Warehouse-No Rail | 44.3 | 21.9 | 20.6 | 13,760 | 4,184 | 2,074 | 1,946 | 1,300,366 |
| Unrefrigerated Warehouse-No Rail | 37.0 | 31.6 | 31.4 | 12,917 | 3,490 | 2,981 | 2,963 | 1,219,789 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 1,825 | 1,216 | 1,193 | 601,372 | 45,442 | 30,279 | 29,719 | 14,975,829 |
| Unrefrigerated Warehouse-No Rail | 84.0 | 39.9 | 37.5 | 25,922 | 7,919 | 3,759 | 3,533 | 2,444,712 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

### 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) |
|---|---|---|---|---|
| 0 | 0.00 | 962,435 | 320,812 | 96,803 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

## 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 2,707,363 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 885,893 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 885,893 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 282,297 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 611,436 | 346 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|

| | | |
|---|---|---|
| Refrigerated Warehouse-No Rail | 581,263 | 4,415,279 |
| Unrefrigerated Warehouse-No Rail | 581,263 | 4,415,279 |
| Unrefrigerated Warehouse-No Rail | 581,263 | 4,415,279 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 581,263 | 4,415,279 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 116 | — |
| Unrefrigerated Warehouse-No Rail | 181 | — |
| Unrefrigerated Warehouse-No Rail | 181 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 125 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 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 |
|---|---|---|---|---|---|---|

## 5.16. 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |

### 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. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| 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) |
|---|---|---|---|

# 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |

| | | | | |
|---|---|---|---|---|
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |

| | |
|---|---|
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |

| | |
|---|---|
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Operations: Refrigerants | As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively |

# 15718 Beaumont Heights Option B (Phase 2) Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option B (Phase 2) |
| Operational Year | 2029 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 391 | 1000sqft | 8.98 | 391,223 | 270,704 | — | — | Cold Storage |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 608 | 1000sqft | 14.0 | 608,300 | 270,704 | — | — | Non-Sort |
| Unrefrigerated Warehouse-No Rail | 608 | 1000sqft | 14.0 | 608,300 | 270,704 | — | — | Sort |
| Parking Lot | 2,324 | Space | 20.9 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 73.4 | Acre | 73.4 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 2,028 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Vehicles |
| Unrefrigerated Warehouse-No Rail | 420 | 1000sqft | 9.64 | 419,843 | 270,704 | — | — | Warehousing |

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

No measures selected

# 2. Emissions Summary

## 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. | 109 | 101 | 227 | 543 | 2.80 | 5.22 | 167 | 172 | 5.01 | 43.2 | 48.2 | 1,041 | 310,135 | 311,177 | 111 | 30.5 | 1,112 | 324,147 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 92.7 | 85.6 | 236 | 379 | 2.72 | 5.07 | 167 | 172 | 4.89 | 43.2 | 48.1 | 1,041 | 302,371 | 303,412 | 111 | 30.6 | 417 | 315,733 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 90.7 | 84.3 | 178 | 393 | 2.38 | 3.48 | 146 | 150 | 3.30 | 37.8 | 41.1 | 1,041 | 266,085 | 267,126 | 110 | 26.8 | 670 | 278,547 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 16.5 | 15.4 | 32.5 | 71.8 | 0.43 | 0.63 | 26.7 | 27.4 | 0.60 | 6.91 | 7.51 | 172 | 44,053 | 44,226 | 18.3 | 4.44 | 111 | 46,117 |

## 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 | 33.7 | 27.6 | 184 | 430 | 2.75 | 3.63 | 167 | 171 | 3.46 | 43.2 | 46.6 | — | 288,482 | 288,482 | 5.27 | 30.2 | 713 | 298,327 |
| Area | 64.9 | 63.7 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 16,016 | 16,016 | 1.53 | 0.19 | — | 16,109 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Stationary | 10.7 | 9.78 | 42.1 | 24.9 | 0.05 | 1.44 | 0.00 | 1.44 | 1.44 | 0.00 | 1.44 | 0.00 | 5,004 | 5,004 | 0.20 | 0.04 | 0.00 | 5,020 |
| Total | 109 | 101 | 227 | 543 | 2.80 | 5.22 | 167 | 172 | 5.01 | 43.2 | 48.2 | 1,041 | 310,135 | 311,177 | 111 | 30.5 | 1,112 | 324,147 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 32.7 | 26.6 | 194 | 354 | 2.67 | 3.63 | 167 | 171 | 3.46 | 43.2 | 46.6 | — | 281,080 | 281,080 | 5.31 | 30.4 | 18.5 | 290,277 |
| Area | 49.2 | 49.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 16,016 | 16,016 | 1.53 | 0.19 | — | 16,109 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Stationary | 10.7 | 9.78 | 42.1 | 24.9 | 0.05 | 1.44 | 0.00 | 1.44 | 1.44 | 0.00 | 1.44 | 0.00 | 5,004 | 5,004 | 0.20 | 0.04 | 0.00 | 5,020 |
| Total | 92.7 | 85.6 | 236 | 379 | 2.72 | 5.07 | 167 | 172 | 4.89 | 43.2 | 48.1 | 1,041 | 302,371 | 303,412 | 111 | 30.6 | 417 | 315,733 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 29.2 | 23.8 | 172 | 330 | 2.37 | 3.17 | 146 | 150 | 3.02 | 37.8 | 40.9 | — | 248,864 | 248,864 | 4.72 | 26.6 | 272 | 257,174 |
| Area | 59.9 | 59.1 | 0.51 | 60.4 | < 0.005 | 0.11 | — | 0.11 | 0.08 | — | 0.08 | — | 248 | 248 | 0.01 | < 0.005 | — | 249 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 16,016 | 16,016 | 1.53 | 0.19 | — | 16,109 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Stationary | 1.47 | 1.34 | 5.77 | 3.42 | 0.01 | 0.20 | 0.00 | 0.20 | 0.20 | 0.00 | 0.20 | 0.00 | 685 | 685 | 0.03 | 0.01 | 0.00 | 688 |
| Total | 90.7 | 84.3 | 178 | 393 | 2.38 | 3.48 | 146 | 150 | 3.30 | 37.8 | 41.1 | 1,041 | 266,085 | 267,126 | 110 | 26.8 | 670 | 278,547 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 5.34 | 4.35 | 31.4 | 60.1 | 0.43 | 0.58 | 26.7 | 27.3 | 0.55 | 6.91 | 7.46 | — | 41,202 | 41,202 | 0.78 | 4.40 | 45.0 | 42,578 |
| Area | 10.9 | 10.8 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 2,652 | 2,652 | 0.25 | 0.03 | — | 2,667 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 2.33 | 45.0 | 47.4 | 0.24 | 0.01 | — | 55.3 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 66.0 | 66.0 |
| Stationary | 0.27 | 0.24 | 1.05 | 0.62 | < 0.005 | 0.04 | 0.00 | 0.04 | 0.04 | 0.00 | 0.04 | 0.00 | 113 | 113 | < 0.005 | < 0.005 | 0.00 | 114 |
| Total | 16.5 | 15.4 | 32.5 | 71.8 | 0.43 | 0.63 | 26.7 | 27.4 | 0.60 | 6.91 | 7.51 | 172 | 44,053 | 44,226 | 18.3 | 4.44 | 111 | 46,117 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 2.75 | 1.62 | 60.8 | 18.8 | 0.63 | 1.19 | 25.1 | 26.3 | 1.14 | 6.74 | 7.88 | — | 66,879 | 66,879 | 0.96 | 9.62 | 189 | 69,960 |
| Unrefrigerated Warehouse-No Rail | 4.09 | 2.05 | 107 | 25.2 | 1.17 | 2.08 | 41.9 | 43.9 | 1.99 | 11.2 | 13.2 | — | 124,906 | 124,906 | 1.83 | 18.7 | 291 | 130,827 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 26.9 | 23.9 | 16.4 | 386 | 0.96 | 0.35 | 100.0 | 100 | 0.32 | 25.2 | 25.6 | — | 96,696 | 96,696 | 2.48 | 1.84 | 233 | 97,540 |
| Total | 33.7 | 27.6 | 184 | 430 | 2.75 | 3.63 | 167 | 171 | 3.46 | 43.2 | 46.6 | — | 288,482 | 288,482 | 5.27 | 30.2 | 713 | 298,327 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 2.72 | 1.60 | 63.4 | 18.7 | 0.63 | 1.19 | 25.1 | 26.3 | 1.14 | 6.74 | 7.88 | — | 66,885 | 66,885 | 0.96 | 9.63 | 4.90 | 69,784 |
| Unrefrigerated Warehouse-No Rail | 4.05 | 2.02 | 112 | 25.2 | 1.17 | 2.08 | 41.9 | 43.9 | 1.99 | 11.2 | 13.2 | — | 124,919 | 124,919 | 1.83 | 18.7 | 7.54 | 130,558 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 26.0 | 23.0 | 18.2 | 310 | 0.88 | 0.35 | 100.0 | 100 | 0.32 | 25.2 | 25.6 | — | 89,276 | 89,276 | 2.52 | 1.98 | 6.05 | 89,936 |
| Total | 32.7 | 26.6 | 194 | 354 | 2.67 | 3.63 | 167 | 171 | 3.46 | 43.2 | 46.6 | — | 281,080 | 281,080 | 5.31 | 30.4 | 18.5 | 290,277 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.44 | 0.26 | 10.2 | 2.98 | 0.10 | 0.19 | 3.96 | 4.15 | 0.18 | 1.06 | 1.24 | — | 9,672 | 9,672 | 0.14 | 1.39 | 11.8 | 10,102 |
| Unrefrigerated Warehouse-No Rail | 0.65 | 0.32 | 18.0 | 4.00 | 0.19 | 0.33 | 6.57 | 6.90 | 0.32 | 1.76 | 2.07 | — | 18,024 | 18,024 | 0.26 | 2.70 | 18.1 | 18,855 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 4.25 | 3.77 | 3.10 | 53.2 | 0.15 | 0.06 | 16.2 | 16.3 | 0.05 | 4.09 | 4.14 | — | 13,506 | 13,506 | 0.38 | 0.30 | 15.1 | 13,621 |
| Total | 5.34 | 4.35 | 31.4 | 60.1 | 0.43 | 0.58 | 26.7 | 27.3 | 0.55 | 6.91 | 7.46 | — | 41,202 | 41,202 | 0.78 | 4.40 | 45.0 | 42,578 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 8,115 | 8,115 | 0.77 | 0.09 | — | 8,162 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 7,143 | 7,143 | 0.68 | 0.08 | — | 7,185 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 757 | 757 | 0.07 | 0.01 | — | 761 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 16,016 | 16,016 | 1.53 | 0.19 | — | 16,109 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 8,115 | 8,115 | 0.77 | 0.09 | — | 8,162 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 7,143 | 7,143 | 0.68 | 0.08 | — | 7,185 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 757 | 757 | 0.07 | 0.01 | — | 761 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 16,016 | 16,016 | 1.53 | 0.19 | — | 16,109 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,344 | 1,344 | 0.13 | 0.02 | — | 1,351 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,183 | 1,183 | 0.11 | 0.01 | — | 1,190 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 125 | 125 | 0.01 | < 0.005 | — | 126 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,652 | 2,652 | 0.25 | 0.03 | — | 2,667 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 43.7 | 43.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 5.46 | 5.46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 15.7 | 14.5 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Total | 64.9 | 63.7 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 43.7 | 43.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.46 | 5.46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 49.2 | 49.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 7.98 | 7.98 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.00 | 1.00 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 1.96 | 1.81 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |
| Total | 10.9 | 10.8 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.52 | 68.0 | 71.5 | 0.37 | 0.01 | — | 83.5 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 10.6 | 204 | 215 | 1.10 | 0.03 | — | 251 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.52 | 68.0 | 71.5 | 0.37 | 0.01 | — | 83.5 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 10.6 | 204 | 215 | 1.10 | 0.03 | — | 251 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.58 | 11.3 | 11.8 | 0.06 | < 0.005 | — | 13.8 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1.75 | 33.8 | 35.5 | 0.18 | < 0.005 | — | 41.5 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2.33 | 45.0 | 47.4 | 0.24 | 0.01 | — | 55.3 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 198 | 0.00 | 198 | 19.8 | 0.00 | — | 693 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 829 | 0.00 | 829 | 82.9 | 0.00 | — | 2,900 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 198 | 0.00 | 198 | 19.8 | 0.00 | — | 693 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 829 | 0.00 | 829 | 82.9 | 0.00 | — | 2,900 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 32.8 | 0.00 | 32.8 | 3.28 | 0.00 | — | 115 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 137 | 0.00 | 137 | 13.7 | 0.00 | — | 480 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 66.0 | 66.0 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 66.0 | 66.0 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Emergency Generator | 9.66 | 8.79 | 39.3 | 22.4 | 0.04 | 1.29 | 0.00 | 1.29 | 1.29 | 0.00 | 1.29 | 0.00 | 4,500 | 4,500 | 0.18 | 0.04 | 0.00 | 4,515 |
| Total | 10.7 | 9.78 | 42.1 | 24.9 | 0.05 | 1.44 | 0.00 | 1.44 | 1.44 | 0.00 | 1.44 | 0.00 | 5,004 | 5,004 | 0.20 | 0.04 | 0.00 | 5,020 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency | 9.66 | 8.79 | 39.3 | 22.4 | 0.04 | 1.29 | 0.00 | 1.29 | 1.29 | 0.00 | 1.29 | 0.00 | 4,500 | 4,500 | 0.18 | 0.04 | 0.00 | 4,515 |
| Total | 10.7 | 9.78 | 42.1 | 24.9 | 0.05 | 1.44 | 0.00 | 1.44 | 1.44 | 0.00 | 1.44 | 0.00 | 5,004 | 5,004 | 0.20 | 0.04 | 0.00 | 5,020 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Emergency Generator | 0.24 | 0.22 | 0.98 | 0.56 | < 0.005 | 0.03 | 0.00 | 0.03 | 0.03 | 0.00 | 0.03 | 0.00 | 102 | 102 | < 0.005 | < 0.005 | 0.00 | 102 |
| Total | 0.27 | 0.24 | 1.05 | 0.62 | < 0.005 | 0.04 | 0.00 | 0.04 | 0.04 | 0.00 | 0.04 | 0.00 | 113 | 113 | < 0.005 | < 0.005 | 0.00 | 114 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Remove | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 294 | 167 | 160 | 93,797 | 28,784 | 16,383 | 15,694 | 9,177,082 |
| Unrefrigerated Warehouse-No Rail | 140 | 69.3 | 65.1 | 43,486 | 13,221 | 6,553 | 6,151 | 4,109,433 |
| Unrefrigerated Warehouse-No Rail | 117 | 99.8 | 99.2 | 40,822 | 11,029 | 9,420 | 9,363 | 3,854,794 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 5,767 | 3,842 | 3,771 | 1,900,466 | 143,606 | 95,687 | 93,920 | 47,326,897 |
| Unrefrigerated Warehouse-No Rail | 253 | 118 | 110 | 77,760 | 23,877 | 11,106 | 10,392 | 7,345,961 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

### 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) |
|---|---|---|---|---|
| 0 | 0.00 | 3,041,499 | 1,013,833 | 246,504 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

## 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 8,555,871 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 2,799,610 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 2,799,610 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 798,124 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 1,932,265 | 346 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|

| | | |
|---|---|---|
| Refrigerated Warehouse-No Rail | 1,838,323 | 11,152,245 |
| Unrefrigerated Warehouse-No Rail | 1,838,323 | 11,152,245 |
| Unrefrigerated Warehouse-No Rail | 1,838,323 | 11,152,245 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 1,838,323 | 11,152,245 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 368 | — |
| Unrefrigerated Warehouse-No Rail | 572 | — |
| Unrefrigerated Warehouse-No Rail | 572 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 395 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 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 |
|---|---|---|---|---|---|---|

## 5.16. 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |

### 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. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| 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) |
|---|---|---|---|

# 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |

| | |
|---|---|
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |

| | |
|---|---|
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Operations: Refrigerants | As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively |

# 15718 Beaumont Heights Option B (Phase 3) Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option B (Phase 3) |
| Operational Year | 2030 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 678 | 1000sqft | 15.6 | 678,499 | 428,924 | — | — | Cold Storage |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,055 | 1000sqft | 24.2 | 1,054,976 | 428,924 | — | — | Non-Sort |
| Unrefrigerated Warehouse-No Rail | 1,055 | 1000sqft | 24.2 | 1,054,976 | 428,924 | — | — | Sort |
| Parking Lot | 4,012 | Space | 36.1 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 106 | Acre | 106 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 3,517 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Vehicles |
| Unrefrigerated Warehouse-No Rail | 728 | 1000sqft | 16.7 | 728,135 | 428,924 | — | — | Warehousing |

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

No measures selected

# 2. Emissions Summary

## 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. | 184 | 171 | 369 | 907 | 4.73 | 8.55 | 290 | 298 | 8.19 | 74.8 | 83.0 | 1,806 | 517,632 | 519,438 | 192 | 51.4 | 1,801 | 541,358 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 156 | 144 | 383 | 626 | 4.60 | 8.28 | 290 | 298 | 7.99 | 74.8 | 82.8 | 1,806 | 504,394 | 506,200 | 193 | 51.6 | 720 | 527,115 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 155 | 144 | 294 | 658 | 4.03 | 5.83 | 254 | 260 | 5.54 | 65.6 | 71.2 | 1,806 | 443,874 | 445,680 | 191 | 45.2 | 1,114 | 465,047 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 28.2 | 26.3 | 53.6 | 120 | 0.73 | 1.06 | 46.3 | 47.4 | 1.01 | 12.0 | 13.0 | 299 | 73,488 | 73,787 | 31.7 | 7.48 | 184 | 76,994 |

## 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 | 56.0 | 45.7 | 305 | 716 | 4.65 | 6.12 | 290 | 296 | 5.83 | 74.8 | 80.7 | — | 488,279 | 488,279 | 8.85 | 50.9 | 1,109 | 504,783 |
| Area | 112 | 110 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 20,919 | 20,919 | 2.65 | 0.32 | — | 21,081 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Stationary | 16.1 | 14.7 | 63.1 | 37.4 | 0.07 | 2.16 | 0.00 | 2.16 | 2.16 | 0.00 | 2.16 | 0.00 | 7,505 | 7,505 | 0.30 | 0.06 | 0.00 | 7,530 |
| Total | 184 | 171 | 369 | 907 | 4.73 | 8.55 | 290 | 298 | 8.19 | 74.8 | 83.0 | 1,806 | 517,632 | 519,438 | 192 | 51.4 | 1,801 | 541,358 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 54.3 | 44.1 | 320 | 588 | 4.53 | 6.12 | 290 | 296 | 5.83 | 74.8 | 80.7 | — | 475,670 | 475,670 | 8.91 | 51.2 | 28.8 | 491,171 |
| Area | 85.1 | 85.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 20,919 | 20,919 | 2.65 | 0.32 | — | 21,081 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Stationary | 16.1 | 14.7 | 63.1 | 37.4 | 0.07 | 2.16 | 0.00 | 2.16 | 2.16 | 0.00 | 2.16 | 0.00 | 7,505 | 7,505 | 0.30 | 0.06 | 0.00 | 7,530 |
| Total | 156 | 144 | 383 | 626 | 4.60 | 8.28 | 290 | 298 | 7.99 | 74.8 | 82.8 | 1,806 | 504,394 | 506,200 | 193 | 51.6 | 720 | 527,115 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 48.5 | 39.5 | 284 | 548 | 4.01 | 5.35 | 254 | 259 | 5.10 | 65.6 | 70.7 | — | 421,196 | 421,196 | 7.91 | 44.8 | 423 | 435,168 |
| Area | 104 | 102 | 0.88 | 105 | 0.01 | 0.19 | — | 0.19 | 0.14 | — | 0.14 | — | 431 | 431 | 0.02 | < 0.005 | — | 432 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 20,919 | 20,919 | 2.65 | 0.32 | — | 21,081 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Stationary | 2.21 | 2.01 | 8.65 | 5.12 | 0.01 | 0.30 | 0.00 | 0.30 | 0.30 | 0.00 | 0.30 | 0.00 | 1,028 | 1,028 | 0.04 | 0.01 | 0.00 | 1,032 |
| Total | 155 | 144 | 294 | 658 | 4.03 | 5.83 | 254 | 260 | 5.54 | 65.6 | 71.2 | 1,806 | 443,874 | 445,680 | 191 | 45.2 | 1,114 | 465,047 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 8.86 | 7.20 | 51.9 | 100 | 0.73 | 0.98 | 46.3 | 47.3 | 0.93 | 12.0 | 12.9 | — | 69,734 | 69,734 | 1.31 | 7.42 | 70.0 | 72,047 |
| Area | 18.9 | 18.7 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 3,463 | 3,463 | 0.44 | 0.05 | — | 3,490 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.13 | 49.6 | 53.8 | 0.43 | 0.01 | — | 67.7 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 114 | 114 |
| Stationary | 0.40 | 0.37 | 1.58 | 0.94 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | 170 | 170 | 0.01 | < 0.005 | 0.00 | 171 |
| Total | 28.2 | 26.3 | 53.6 | 120 | 0.73 | 1.06 | 46.3 | 47.4 | 1.01 | 12.0 | 13.0 | 299 | 73,488 | 73,787 | 31.7 | 7.48 | 184 | 76,994 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 4.51 | 2.63 | 100 | 30.5 | 1.05 | 2.02 | 43.6 | 45.6 | 1.93 | 11.7 | 13.6 | — | 112,733 | 112,733 | 1.62 | 16.2 | 298 | 117,906 |
| Unrefrigerated Warehouse-No Rail | 6.80 | 3.35 | 178 | 41.2 | 1.97 | 3.53 | 72.6 | 76.1 | 3.38 | 19.4 | 22.8 | — | 210,652 | 210,652 | 3.11 | 31.6 | 458 | 220,608 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 44.7 | 39.7 | 26.7 | 645 | 1.63 | 0.57 | 173 | 174 | 0.52 | 43.8 | 44.3 | — | 164,893 | 164,893 | 4.11 | 3.08 | 354 | 166,268 |
| Total | 56.0 | 45.7 | 305 | 716 | 4.65 | 6.12 | 290 | 296 | 5.83 | 74.8 | 80.7 | — | 488,279 | 488,279 | 8.85 | 50.9 | 1,109 | 504,783 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 4.47 | 2.59 | 105 | 30.4 | 1.06 | 2.02 | 43.6 | 45.6 | 1.93 | 11.7 | 13.6 | — | 112,744 | 112,744 | 1.62 | 16.2 | 7.73 | 117,629 |
| Unrefrigerated Warehouse-No Rail | 6.73 | 3.29 | 186 | 41.2 | 1.97 | 3.53 | 72.6 | 76.1 | 3.38 | 19.4 | 22.8 | — | 210,674 | 210,674 | 3.11 | 31.6 | 11.9 | 220,188 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 43.1 | 38.3 | 29.7 | 517 | 1.50 | 0.57 | 173 | 174 | 0.52 | 43.8 | 44.3 | — | 152,252 | 152,252 | 4.18 | 3.32 | 9.17 | 153,354 |
| Total | 54.3 | 44.1 | 320 | 588 | 4.53 | 6.12 | 290 | 296 | 5.83 | 74.8 | 80.7 | — | 475,670 | 475,670 | 8.91 | 51.2 | 28.8 | 491,171 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.71 | 0.42 | 16.9 | 4.83 | 0.17 | 0.32 | 6.86 | 7.18 | 0.31 | 1.84 | 2.15 | — | 16,303 | 16,303 | 0.23 | 2.35 | 18.6 | 17,028 |
| Unrefrigerated Warehouse-No Rail | 1.08 | 0.53 | 29.9 | 6.53 | 0.31 | 0.56 | 11.4 | 11.9 | 0.54 | 3.05 | 3.58 | — | 30,397 | 30,397 | 0.45 | 4.56 | 28.5 | 31,797 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 7.07 | 6.26 | 5.05 | 88.7 | 0.25 | 0.09 | 28.1 | 28.2 | 0.09 | 7.09 | 7.18 | — | 23,033 | 23,033 | 0.63 | 0.51 | 22.8 | 23,223 |
| Total | 8.86 | 7.20 | 51.9 | 100 | 0.73 | 0.98 | 46.3 | 47.3 | 0.93 | 12.0 | 12.9 | — | 69,734 | 69,734 | 1.31 | 7.42 | 70.0 | 72,047 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,602 | 10,602 | 1.34 | 0.16 | — | 10,684 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 9,333 | 9,333 | 1.18 | 0.14 | — | 9,405 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 984 | 984 | 0.12 | 0.02 | — | 992 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 20,919 | 20,919 | 2.65 | 0.32 | — | 21,081 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 10,602 | 10,602 | 1.34 | 0.16 | — | 10,684 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 9,333 | 9,333 | 1.18 | 0.14 | — | 9,405 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 984 | 984 | 0.12 | 0.02 | — | 992 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 20,919 | 20,919 | 2.65 | 0.32 | — | 21,081 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,755 | 1,755 | 0.22 | 0.03 | — | 1,769 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,545 | 1,545 | 0.20 | 0.02 | — | 1,557 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 163 | 163 | 0.02 | < 0.005 | — | 164 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 3,463 | 3,463 | 0.44 | 0.05 | — | 3,490 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 75.7 | 75.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 9.41 | 9.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 27.2 | 25.1 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Total | 112 | 110 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 75.7 | 75.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.41 | 9.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 85.1 | 85.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 13.8 | 13.8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.72 | 1.72 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 3.40 | 3.14 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |
| Total | 18.9 | 18.7 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 6.23 | 75.0 | 81.2 | 0.65 | 0.02 | — | 102 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 18.7 | 225 | 244 | 1.95 | 0.05 | — | 307 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 6.23 | 75.0 | 81.2 | 0.65 | 0.02 | — | 102 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 18.7 | 225 | 244 | 1.95 | 0.05 | — | 307 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1.03 | 12.4 | 13.4 | 0.11 | < 0.005 | — | 16.9 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.10 | 37.2 | 40.3 | 0.32 | 0.01 | — | 50.8 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.13 | 49.6 | 53.8 | 0.43 | 0.01 | — | 67.7 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 344 | 0.00 | 344 | 34.4 | 0.00 | — | 1,203 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,438 | 0.00 | 1,438 | 144 | 0.00 | — | 5,030 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 344 | 0.00 | 344 | 34.4 | 0.00 | — | 1,203 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,438 | 0.00 | 1,438 | 144 | 0.00 | — | 5,030 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 56.9 | 0.00 | 56.9 | 5.69 | 0.00 | — | 199 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 238 | 0.00 | 238 | 23.8 | 0.00 | — | 833 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 114 | 114 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 114 | 114 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Emergency Generator | 14.5 | 13.2 | 59.0 | 33.6 | 0.06 | 1.94 | 0.00 | 1.94 | 1.94 | 0.00 | 1.94 | 0.00 | 6,750 | 6,750 | 0.27 | 0.05 | 0.00 | 6,772 |
| Total | 16.1 | 14.7 | 63.1 | 37.4 | 0.07 | 2.16 | 0.00 | 2.16 | 2.16 | 0.00 | 2.16 | 0.00 | 7,505 | 7,505 | 0.30 | 0.06 | 0.00 | 7,530 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency | 14.5 | 13.2 | 59.0 | 33.6 | 0.06 | 1.94 | 0.00 | 1.94 | 1.94 | 0.00 | 1.94 | 0.00 | 6,750 | 6,750 | 0.27 | 0.05 | 0.00 | 6,772 |
| Total | 16.1 | 14.7 | 63.1 | 37.4 | 0.07 | 2.16 | 0.00 | 2.16 | 2.16 | 0.00 | 2.16 | 0.00 | 7,505 | 7,505 | 0.30 | 0.06 | 0.00 | 7,530 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.04 | 0.04 | 0.10 | 0.09 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 17.1 | 17.1 | < 0.005 | < 0.005 | 0.00 | 17.2 |
| Emergency Generator | 0.36 | 0.33 | 1.48 | 0.84 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | 153 | 153 | 0.01 | < 0.005 | 0.00 | 154 |
| Total | 0.40 | 0.37 | 1.58 | 0.94 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | 170 | 170 | 0.01 | < 0.005 | 0.00 | 171 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Remove | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 510 | 290 | 278 | 162,672 | 49,921 | 28,412 | 27,218 | 15,915,836 |
| Unrefrigerated Warehouse-No Rail | 243 | 120 | 113 | 75,418 | 22,930 | 11,365 | 10,667 | 7,126,999 |
| Unrefrigerated Warehouse-No Rail | 203 | 173 | 172 | 70,797 | 19,127 | 16,338 | 16,238 | 6,685,378 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 10,001 | 6,664 | 6,541 | 3,295,983 | 249,057 | 165,950 | 162,885 | 82,079,151 |
| Unrefrigerated Warehouse-No Rail | 438 | 204 | 191 | 134,859 | 41,410 | 19,260 | 18,022 | 12,740,123 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

### 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) |
|---|---|---|---|---|
| 0 | 0.00 | 5,274,879 | 1,758,293 | 372,328 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

## 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 14,838,467 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,855,370 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,855,370 | 261 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 1,377,829 | 261 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 3,351,133 | 261 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|

| | | |
|---|---|---|
| Refrigerated Warehouse-No Rail | 3,253,063 | 15,600,109 |
| Unrefrigerated Warehouse-No Rail | 3,253,063 | 15,600,109 |
| Unrefrigerated Warehouse-No Rail | 3,253,063 | 15,600,109 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 3,253,063 | 15,600,109 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 638 | — |
| Unrefrigerated Warehouse-No Rail | 992 | — |
| Unrefrigerated Warehouse-No Rail | 992 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 684 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 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 |
|---|---|---|---|---|---|---|

## 5.16. 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |

### 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. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| 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) |
|---|---|---|---|

# 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |

| | |
|---|---|
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |

| | |
|---|---|
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Operations: Refrigerants | As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively |

# 15718 Beaumont Heights Option B (Phase 4) Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option B (Phase 4) |
| Operational Year | 2032 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 1,000 | 1000sqft | 23.0 | 1,000,000 | 630,580 | — | — | Cold Storage |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,555 | 1000sqft | 35.7 | 1,554,868 | 630,580 | — | — | Non-Sort |
| Unrefrigerated Warehouse-No Rail | 1,555 | 1000sqft | 35.7 | 1,554,867 | 630,580 | — | — | Sort |
| Parking Lot | 6,025 | Space | 54.2 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 155 | Acre | 155 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 5,183 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Vehicles |
| Unrefrigerated Warehouse-No Rail | 1,073 | 1000sqft | 24.6 | 1,073,156 | 630,580 | — | — | Warehousing |

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

No measures selected

# 2. Emissions Summary

## 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. | 263 | 244 | 496 | 1,259 | 6.63 | 11.8 | 426 | 438 | 11.3 | 110 | 121 | 2,663 | 727,163 | 729,825 | 283 | 71.4 | 2,316 | 760,499 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 221 | 205 | 514 | 856 | 6.44 | 11.4 | 426 | 438 | 11.0 | 110 | 121 | 2,663 | 708,217 | 710,880 | 283 | 71.8 | 1,053 | 740,393 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 222 | 207 | 395 | 913 | 5.65 | 8.11 | 374 | 382 | 7.70 | 96.6 | 104 | 2,663 | 624,014 | 626,677 | 281 | 62.9 | 1,513 | 653,950 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 40.5 | 37.8 | 72.1 | 167 | 1.03 | 1.48 | 68.2 | 69.7 | 1.40 | 17.6 | 19.0 | 441 | 103,313 | 103,753 | 46.6 | 10.4 | 250 | 108,269 |

## 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 | 76.3 | 62.2 | 410 | 983 | 6.52 | 8.51 | 426 | 435 | 8.11 | 110 | 118 | — | 684,984 | 684,984 | 12.3 | 70.8 | 1,297 | 707,677 |
| Area | 166 | 163 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 30,859 | 30,859 | 3.90 | 0.47 | — | 31,097 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Stationary | 21.5 | 19.6 | 84.2 | 49.9 | 0.09 | 2.88 | 0.00 | 2.88 | 2.88 | 0.00 | 2.88 | 0.00 | 10,007 | 10,007 | 0.40 | 0.08 | 0.00 | 10,040 |
| Total | 263 | 244 | 496 | 1,259 | 6.63 | 11.8 | 426 | 438 | 11.3 | 110 | 121 | 2,663 | 727,163 | 729,825 | 283 | 71.4 | 2,316 | 760,499 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 74.1 | 60.1 | 430 | 807 | 6.35 | 8.51 | 426 | 435 | 8.11 | 110 | 118 | — | 666,965 | 666,965 | 12.3 | 71.1 | 33.6 | 688,502 |
| Area | 125 | 125 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 30,859 | 30,859 | 3.90 | 0.47 | — | 31,097 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Stationary | 21.5 | 19.6 | 84.2 | 49.9 | 0.09 | 2.88 | 0.00 | 2.88 | 2.88 | 0.00 | 2.88 | 0.00 | 10,007 | 10,007 | 0.40 | 0.08 | 0.00 | 10,040 |
| Total | 221 | 205 | 514 | 856 | 6.44 | 11.4 | 426 | 438 | 11.0 | 110 | 121 | 2,663 | 708,217 | 710,880 | 283 | 71.8 | 1,053 | 740,393 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 66.2 | 53.7 | 382 | 751 | 5.62 | 7.44 | 374 | 381 | 7.10 | 96.6 | 104 | — | 590,763 | 590,763 | 10.9 | 62.3 | 494 | 610,087 |
| Area | 153 | 151 | 1.30 | 154 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 635 | 635 | 0.03 | 0.01 | — | 637 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 30,859 | 30,859 | 3.90 | 0.47 | — | 31,097 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Stationary | 2.94 | 2.68 | 11.5 | 6.83 | 0.01 | 0.39 | 0.00 | 0.39 | 0.39 | 0.00 | 0.39 | 0.00 | 1,371 | 1,371 | 0.06 | 0.01 | 0.00 | 1,375 |
| Total | 222 | 207 | 395 | 913 | 5.65 | 8.11 | 374 | 382 | 7.70 | 96.6 | 104 | 2,663 | 624,014 | 626,677 | 281 | 62.9 | 1,513 | 653,950 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 12.1 | 9.80 | 69.7 | 137 | 1.03 | 1.36 | 68.2 | 69.6 | 1.29 | 17.6 | 18.9 | — | 97,808 | 97,808 | 1.81 | 10.3 | 81.7 | 101,007 |
| Area | 27.9 | 27.5 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 5,109 | 5,109 | 0.65 | 0.08 | — | 5,149 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 6.11 | 64.0 | 70.1 | 0.63 | 0.02 | — | 90.7 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 169 | 169 |
| Stationary | 0.54 | 0.49 | 2.10 | 1.25 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 227 | 227 | 0.01 | < 0.005 | 0.00 | 228 |
| Total | 40.5 | 37.8 | 72.1 | 167 | 1.03 | 1.48 | 68.2 | 69.7 | 1.40 | 17.6 | 19.0 | 441 | 103,313 | 103,753 | 46.6 | 10.4 | 250 | 108,269 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 5.96 | 3.37 | 134 | 39.4 | 1.47 | 2.81 | 64.1 | 66.9 | 2.69 | 17.2 | 19.9 | — | 156,703 | 156,703 | 2.27 | 22.6 | 359 | 163,848 |
| Unrefrigerated Warehouse-No Rail | 9.23 | 4.41 | 240 | 54.4 | 2.73 | 4.96 | 107 | 112 | 4.74 | 28.5 | 33.3 | — | 292,294 | 292,294 | 4.39 | 43.9 | 547 | 306,039 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 61.1 | 54.4 | 35.4 | 890 | 2.33 | 0.74 | 256 | 256 | 0.68 | 64.5 | 65.2 | — | 235,986 | 235,986 | 5.59 | 4.27 | 391 | 237,790 |
| Total | 76.3 | 62.2 | 410 | 983 | 6.52 | 8.51 | 426 | 435 | 8.11 | 110 | 118 | — | 684,984 | 684,984 | 12.3 | 70.8 | 1,297 | 707,677 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 5.91 | 3.32 | 140 | 39.2 | 1.47 | 2.81 | 64.1 | 66.9 | 2.69 | 17.2 | 19.9 | — | 156,719 | 156,719 | 2.27 | 22.6 | 9.30 | 163,518 |
| Unrefrigerated Warehouse-No Rail | 9.14 | 4.32 | 251 | 54.4 | 2.73 | 4.96 | 107 | 112 | 4.74 | 28.5 | 33.3 | — | 292,327 | 292,327 | 4.39 | 43.9 | 14.2 | 305,543 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 59.1 | 52.5 | 39.4 | 713 | 2.15 | 0.74 | 256 | 256 | 0.68 | 64.5 | 65.2 | — | 217,918 | 217,918 | 5.67 | 4.60 | 10.1 | 219,441 |
| Total | 74.1 | 60.1 | 430 | 807 | 6.35 | 8.51 | 426 | 435 | 8.11 | 110 | 118 | — | 666,965 | 666,965 | 12.3 | 71.1 | 33.6 | 688,502 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.95 | 0.53 | 22.6 | 6.23 | 0.23 | 0.45 | 10.1 | 10.5 | 0.43 | 2.70 | 3.13 | — | 22,663 | 22,663 | 0.33 | 3.27 | 22.4 | 23,667 |
| Unrefrigerated Warehouse-No Rail | 1.46 | 0.69 | 40.4 | 8.63 | 0.43 | 0.79 | 16.8 | 17.5 | 0.75 | 4.48 | 5.23 | — | 42,178 | 42,178 | 0.63 | 6.34 | 34.1 | 44,118 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 9.67 | 8.58 | 6.69 | 122 | 0.36 | 0.12 | 41.4 | 41.5 | 0.11 | 10.4 | 10.6 | — | 32,967 | 32,967 | 0.85 | 0.70 | 25.3 | 33,223 |
| Total | 12.1 | 9.80 | 69.7 | 137 | 1.03 | 1.36 | 68.2 | 69.6 | 1.29 | 17.6 | 18.9 | — | 97,808 | 97,808 | 1.81 | 10.3 | 81.7 | 101,007 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 15,626 | 15,626 | 1.98 | 0.24 | — | 15,746 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 13,755 | 13,755 | 1.74 | 0.21 | — | 13,861 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 1,478 | 1,478 | 0.19 | 0.02 | — | 1,490 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 30,859 | 30,859 | 3.90 | 0.47 | — | 31,097 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 15,626 | 15,626 | 1.98 | 0.24 | — | 15,746 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 13,755 | 13,755 | 1.74 | 0.21 | — | 13,861 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 1,478 | 1,478 | 0.19 | 0.02 | — | 1,490 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 30,859 | 30,859 | 3.90 | 0.47 | — | 31,097 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,587 | 2,587 | 0.33 | 0.04 | — | 2,607 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,277 | 2,277 | 0.29 | 0.03 | — | 2,295 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 245 | 245 | 0.03 | < 0.005 | — | 247 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 5,109 | 5,109 | 0.65 | 0.08 | — | 5,149 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 112 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Architectural Coatings | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 40.1 | 37.0 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Total | 166 | 163 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 112 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 125 | 125 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 20.4 | 20.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 2.53 | 2.53 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 5.02 | 4.63 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Total | 27.9 | 27.5 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 9.22 | 96.6 | 106 | 0.96 | 0.02 | — | 137 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 27.7 | 290 | 318 | 2.87 | 0.07 | — | 411 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 9.22 | 96.6 | 106 | 0.96 | 0.02 | — | 137 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrig Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 27.7 | 290 | 318 | 2.87 | 0.07 | — | 411 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1.53 | 16.0 | 17.5 | 0.16 | < 0.005 | — | 22.7 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 4.58 | 48.0 | 52.6 | 0.48 | 0.01 | — | 68.0 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 6.11 | 64.0 | 70.1 | 0.63 | 0.02 | — | 90.7 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 507 | 0.00 | 507 | 50.6 | 0.00 | — | 1,772 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2,119 | 0.00 | 2,119 | 212 | 0.00 | — | 7,414 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 507 | 0.00 | 507 | 50.6 | 0.00 | — | 1,772 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2,119 | 0.00 | 2,119 | 212 | 0.00 | — | 7,414 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 83.9 | 0.00 | 83.9 | 8.38 | 0.00 | — | 293 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 351 | 0.00 | 351 | 35.1 | 0.00 | — | 1,227 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 169 | 169 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 169 | 169 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.8. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Emergency Generator | 19.3 | 17.6 | 78.7 | 44.9 | 0.08 | 2.59 | 0.00 | 2.59 | 2.59 | 0.00 | 2.59 | 0.00 | 9,000 | 9,000 | 0.36 | 0.07 | 0.00 | 9,030 |
| Total | 21.5 | 19.6 | 84.2 | 49.9 | 0.09 | 2.88 | 0.00 | 2.88 | 2.88 | 0.00 | 2.88 | 0.00 | 10,007 | 10,007 | 0.40 | 0.08 | 0.00 | 10,040 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency | 19.3 | 17.6 | 78.7 | 44.9 | 0.08 | 2.59 | 0.00 | 2.59 | 2.59 | 0.00 | 2.59 | 0.00 | 9,000 | 9,000 | 0.36 | 0.07 | 0.00 | 9,030 |
| Total | 21.5 | 19.6 | 84.2 | 49.9 | 0.09 | 2.88 | 0.00 | 2.88 | 2.88 | 0.00 | 2.88 | 0.00 | 10,007 | 10,007 | 0.40 | 0.08 | 0.00 | 10,040 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.05 | 0.05 | 0.14 | 0.13 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 22.8 | 22.8 | < 0.005 | < 0.005 | 0.00 | 22.9 |
| Emergency Generator | 0.48 | 0.44 | 1.97 | 1.12 | < 0.005 | 0.06 | 0.00 | 0.06 | 0.06 | 0.00 | 0.06 | 0.00 | 204 | 204 | 0.01 | < 0.005 | 0.00 | 205 |
| Total | 0.54 | 0.49 | 2.10 | 1.25 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 227 | 227 | 0.01 | < 0.005 | 0.00 | 228 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

## 4.10. 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Remove | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

# 5. Activity Data

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 752 | 428 | 410 | 239,753 | 73,576 | 41,876 | 40,114 | 23,457,420 |
| Unrefrigerated Warehouse-No Rail | 358 | 177 | 166 | 111,154 | 33,795 | 16,751 | 15,722 | 10,504,070 |
| Unrefrigerated Warehouse-No Rail | 299 | 255 | 253 | 104,344 | 28,191 | 24,079 | 23,933 | 9,853,184 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 14,740 | 9,822 | 9,640 | 4,857,757 | 367,071 | 244,585 | 240,067 | 120,971,673 |
| Unrefrigerated Warehouse-No Rail | 646 | 300 | 281 | 198,761 | 61,031 | 28,387 | 26,562 | 18,776,929 |

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

### 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) |
|---|---|---|---|---|
| 0 | 0.00 | 7,774,337 | 2,591,446 | 546,674 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

## 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 21,869,550 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 7,156,049 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 7,156,044 | 261 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 2,069,148 | 261 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,939,041 | 261 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|

| | | |
|---|---|---|
| Refrigerated Warehouse-No Rail | 4,813,712 | 19,314,808 |
| Unrefrigerated Warehouse-No Rail | 4,813,712 | 19,314,808 |
| Unrefrigerated Warehouse-No Rail | 4,813,712 | 19,314,808 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,813,712 | 19,314,808 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 940 | — |
| Unrefrigerated Warehouse-No Rail | 1,462 | — |
| Unrefrigerated Warehouse-No Rail | 1,462 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 1,009 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 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 |
|---|---|---|---|---|---|---|

## 5.16. 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |

### 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. Biomass Cover Type

#### 5.18.1.1. Unmitigated

| 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) |
|---|---|---|---|

# 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |

| | |
|---|---|
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |

| | |
|---|---|
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |

| | |
|---|---|
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Operations: Refrigerants | As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively |

# 15718 Beaumont Heights Option B (Phase 1) Mitigated Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option B (Phase 1) Mitigated |
| Operational Year | 2028 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 124 | 1000sqft | 2.84 | 123,796 | 99,480 | — | — | Cold Storage |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 192 | 1000sqft | 4.42 | 192,487 | 99,480 | — | — | Non-Sort |
| Unrefrigerated Warehouse-No Rail | 192 | 1000sqft | 4.42 | 192,487 | 99,480 | — | — | Sort |
| Parking Lot | 822 | Space | 7.40 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 29.6 | Acre | 29.6 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 642 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Vehicles |
| Unrefrigerated Warehouse-No Rail | 133 | 1000sqft | 3.05 | 132,853 | 99,480 | — | — | Warehousing |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |

# 2. Emissions Summary

## 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. | 37.2 | 34.3 | 83.5 | 183 | 0.92 | 1.96 | 53.2 | 55.1 | 1.90 | 13.7 | 15.6 | 330 | 101,822 | 102,152 | 35.2 | 10.0 | 379 | 106,405 |
| Mit. | 37.2 | 34.3 | 83.5 | 183 | 0.92 | 1.96 | 53.2 | 55.1 | 1.90 | 13.7 | 15.6 | 329 | 101,802 | 102,130 | 35.2 | 10.0 | 379 | 106,380 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmit. | 31.9 | 29.4 | 86.4 | 130 | 0.90 | 1.91 | 53.2 | 55.1 | 1.86 | 13.7 | 15.6 | 330 | 99,319 | 99,649 | 35.3 | 10.1 | 133 | 103,671 |
| Mit. | 31.9 | 29.4 | 86.4 | 130 | 0.90 | 1.91 | 53.2 | 55.1 | 1.86 | 13.7 | 15.6 | 329 | 99,298 | 99,627 | 35.2 | 10.1 | 133 | 103,646 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 29.5 | 27.3 | 61.1 | 130 | 0.78 | 1.18 | 46.6 | 47.8 | 1.12 | 12.1 | 13.2 | 330 | 86,708 | 87,038 | 35.0 | 8.84 | 223 | 90,768 |
| Mit. | 29.5 | 27.3 | 61.1 | 130 | 0.78 | 1.18 | 46.6 | 47.8 | 1.12 | 12.1 | 13.2 | 329 | 86,688 | 87,016 | 34.9 | 8.84 | 223 | 90,744 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 5.38 | 4.99 | 11.2 | 23.7 | 0.14 | 0.22 | 8.51 | 8.72 | 0.20 | 2.20 | 2.40 | 54.6 | 14,356 | 14,410 | 5.79 | 1.46 | 36.8 | 15,028 |
| Mit. | 5.38 | 4.99 | 11.2 | 23.7 | 0.14 | 0.22 | 8.51 | 8.72 | 0.20 | 2.20 | 2.40 | 54.4 | 14,352 | 14,407 | 5.78 | 1.46 | 36.8 | 15,024 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |

## 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 | 11.2 | 9.18 | 62.2 | 142 | 0.90 | 1.19 | 53.2 | 54.4 | 1.14 | 13.7 | 14.9 | — | 94,397 | 94,397 | 1.74 | 9.96 | 253 | 97,660 |
| Area | 20.6 | 20.2 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 4,705 | 4,705 | 0.45 | 0.05 | — | 4,732 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stationary | 5.37 | 4.89 | 21.0 | 12.5 | 0.02 | 0.72 | 0.00 | 0.72 | 0.72 | 0.00 | 0.72 | 0.00 | 2,502 | 2,502 | 0.10 | 0.02 | 0.00 | 2,510 |
| Total | 37.2 | 34.3 | 83.5 | 183 | 0.92 | 1.96 | 53.2 | 55.1 | 1.90 | 13.7 | 15.6 | 330 | 101,822 | 102,152 | 35.2 | 10.0 | 379 | 106,405 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 10.9 | 8.86 | 65.3 | 117 | 0.88 | 1.20 | 53.2 | 54.4 | 1.14 | 13.7 | 14.9 | — | 92,009 | 92,009 | 1.75 | 10.0 | 6.55 | 95,041 |
| Area | 15.6 | 15.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 4,705 | 4,705 | 0.45 | 0.05 | — | 4,732 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Stationary | 5.37 | 4.89 | 21.0 | 12.5 | 0.02 | 0.72 | 0.00 | 0.72 | 0.72 | 0.00 | 0.72 | 0.00 | 2,502 | 2,502 | 0.10 | 0.02 | 0.00 | 2,510 |
| Total | 31.9 | 29.4 | 86.4 | 130 | 0.90 | 1.91 | 53.2 | 55.1 | 1.86 | 13.7 | 15.6 | 330 | 99,319 | 99,649 | 35.3 | 10.1 | 133 | 103,671 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.72 | 7.92 | 58.1 | 109 | 0.78 | 1.05 | 46.6 | 47.7 | 1.00 | 12.1 | 13.1 | — | 81,478 | 81,478 | 1.56 | 8.77 | 96.3 | 84,226 |
| Area | 19.0 | 18.8 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 78.6 | 78.6 | < 0.005 | < 0.005 | — | 78.9 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 4,705 | 4,705 | 0.45 | 0.05 | — | 4,732 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Stationary | 0.74 | 0.67 | 2.88 | 1.71 | < 0.005 | 0.10 | 0.00 | 0.10 | 0.10 | 0.00 | 0.10 | 0.00 | 343 | 343 | 0.01 | < 0.005 | 0.00 | 344 |
| Total | 29.5 | 27.3 | 61.1 | 130 | 0.78 | 1.18 | 46.6 | 47.8 | 1.12 | 12.1 | 13.2 | 330 | 86,708 | 87,038 | 35.0 | 8.84 | 223 | 90,768 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.77 | 1.45 | 10.6 | 19.9 | 0.14 | 0.19 | 8.51 | 8.70 | 0.18 | 2.20 | 2.38 | — | 13,490 | 13,490 | 0.26 | 1.45 | 15.9 | 13,945 |
| Area | 3.47 | 3.42 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 779 | 779 | 0.07 | 0.01 | — | 783 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.74 | 17.2 | 17.9 | 0.08 | < 0.005 | — | 20.5 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Waste | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.9 | 20.9 |
| Stationary | 0.13 | 0.12 | 0.53 | 0.31 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 56.7 | 56.7 | < 0.005 | < 0.005 | 0.00 | 56.9 |
| Total | 5.38 | 4.99 | 11.2 | 23.7 | 0.14 | 0.22 | 8.51 | 8.72 | 0.20 | 2.20 | 2.40 | 54.6 | 14,356 | 14,410 | 5.79 | 1.46 | 36.8 | 15,028 |

## 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 | 11.2 | 9.18 | 62.2 | 142 | 0.90 | 1.19 | 53.2 | 54.4 | 1.14 | 13.7 | 14.9 | — | 94,397 | 94,397 | 1.74 | 9.96 | 253 | 97,660 |
| Area | 20.6 | 20.2 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 4,705 | 4,705 | 0.45 | 0.05 | — | 4,732 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 3.56 | 83.1 | 86.7 | 0.37 | 0.01 | — | 98.9 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Stationary | 5.37 | 4.89 | 21.0 | 12.5 | 0.02 | 0.72 | 0.00 | 0.72 | 0.72 | 0.00 | 0.72 | 0.00 | 2,502 | 2,502 | 0.10 | 0.02 | 0.00 | 2,510 |
| Total | 37.2 | 34.3 | 83.5 | 183 | 0.92 | 1.96 | 53.2 | 55.1 | 1.90 | 13.7 | 15.6 | 329 | 101,802 | 102,130 | 35.2 | 10.0 | 379 | 106,380 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 10.9 | 8.86 | 65.3 | 117 | 0.88 | 1.20 | 53.2 | 54.4 | 1.14 | 13.7 | 14.9 | — | 92,009 | 92,009 | 1.75 | 10.0 | 6.55 | 95,041 |
| Area | 15.6 | 15.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 4,705 | 4,705 | 0.45 | 0.05 | — | 4,732 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 3.56 | 83.1 | 86.7 | 0.37 | 0.01 | — | 98.9 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stationa | 5.37 | 4.89 | 21.0 | 12.5 | 0.02 | 0.72 | 0.00 | 0.72 | 0.72 | 0.00 | 0.72 | 0.00 | 2,502 | 2,502 | 0.10 | 0.02 | 0.00 | 2,510 |
| Total | 31.9 | 29.4 | 86.4 | 130 | 0.90 | 1.91 | 53.2 | 55.1 | 1.86 | 13.7 | 15.6 | 329 | 99,298 | 99,627 | 35.2 | 10.1 | 133 | 103,646 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 9.72 | 7.92 | 58.1 | 109 | 0.78 | 1.05 | 46.6 | 47.7 | 1.00 | 12.1 | 13.1 | — | 81,478 | 81,478 | 1.56 | 8.77 | 96.3 | 84,226 |
| Area | 19.0 | 18.8 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 78.6 | 78.6 | < 0.005 | < 0.005 | — | 78.9 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 4,705 | 4,705 | 0.45 | 0.05 | — | 4,732 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 3.56 | 83.1 | 86.7 | 0.37 | 0.01 | — | 98.9 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Stationary | 0.74 | 0.67 | 2.88 | 1.71 | < 0.005 | 0.10 | 0.00 | 0.10 | 0.10 | 0.00 | 0.10 | 0.00 | 343 | 343 | 0.01 | < 0.005 | 0.00 | 344 |
| Total | 29.5 | 27.3 | 61.1 | 130 | 0.78 | 1.18 | 46.6 | 47.8 | 1.12 | 12.1 | 13.2 | 329 | 86,688 | 87,016 | 34.9 | 8.84 | 223 | 90,744 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 1.77 | 1.45 | 10.6 | 19.9 | 0.14 | 0.19 | 8.51 | 8.70 | 0.18 | 2.20 | 2.38 | — | 13,490 | 13,490 | 0.26 | 1.45 | 15.9 | 13,945 |
| Area | 3.47 | 3.42 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 779 | 779 | 0.07 | 0.01 | — | 783 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 0.59 | 13.8 | 14.4 | 0.06 | < 0.005 | — | 16.4 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.9 | 20.9 |
| Stationary | 0.13 | 0.12 | 0.53 | 0.31 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 56.7 | 56.7 | < 0.005 | < 0.005 | 0.00 | 56.9 |
| Total | 5.38 | 4.99 | 11.2 | 23.7 | 0.14 | 0.22 | 8.51 | 8.72 | 0.20 | 2.20 | 2.40 | 54.4 | 14,352 | 14,407 | 5.78 | 1.46 | 36.8 | 15,024 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.91 | 0.55 | 20.3 | 6.29 | 0.20 | 0.39 | 7.96 | 8.35 | 0.37 | 2.14 | 2.51 | — | 21,712 | 21,712 | 0.31 | 3.12 | 65.4 | 22,716 |
| Unrefrigerated Warehouse-No Rail | 1.38 | 0.70 | 36.4 | 8.61 | 0.39 | 0.69 | 13.6 | 14.3 | 0.66 | 3.63 | 4.29 | — | 41,521 | 41,521 | 0.60 | 6.23 | 103 | 43,495 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 8.92 | 7.93 | 5.54 | 128 | 0.31 | 0.12 | 31.6 | 31.8 | 0.11 | 7.98 | 8.09 | — | 31,164 | 31,164 | 0.82 | 0.61 | 84.1 | 31,449 |
| Total | 11.2 | 9.18 | 62.2 | 142 | 0.90 | 1.19 | 53.2 | 54.4 | 1.14 | 13.7 | 14.9 | — | 94,397 | 94,397 | 1.74 | 9.96 | 253 | 97,660 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.91 | 0.54 | 21.1 | 6.26 | 0.20 | 0.39 | 7.96 | 8.35 | 0.37 | 2.14 | 2.51 | — | 21,714 | 21,714 | 0.31 | 3.13 | 1.70 | 22,655 |
| Unrefrigerated Warehouse-No Rail | 1.37 | 0.69 | 38.0 | 8.60 | 0.39 | 0.69 | 13.6 | 14.3 | 0.66 | 3.63 | 4.29 | — | 41,525 | 41,525 | 0.60 | 6.23 | 2.68 | 43,399 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 8.60 | 7.62 | 6.16 | 102 | 0.28 | 0.12 | 31.6 | 31.8 | 0.11 | 7.98 | 8.09 | — | 28,769 | 28,769 | 0.84 | 0.65 | 2.18 | 28,987 |
| Total | 10.9 | 8.86 | 65.3 | 117 | 0.88 | 1.20 | 53.2 | 54.4 | 1.14 | 13.7 | 14.9 | — | 92,009 | 92,009 | 1.75 | 10.0 | 6.55 | 95,041 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.14 | 0.09 | 3.42 | 1.00 | 0.03 | 0.06 | 1.25 | 1.31 | 0.06 | 0.34 | 0.40 | — | 3,140 | 3,140 | 0.04 | 0.45 | 4.08 | 3,280 |
| Unrefrigerated Warehouse-No Rail | 0.22 | 0.11 | 6.13 | 1.37 | 0.06 | 0.11 | 2.13 | 2.24 | 0.11 | 0.57 | 0.68 | — | 5,997 | 5,997 | 0.09 | 0.90 | 6.44 | 6,274 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 1.41 | 1.25 | 1.05 | 17.6 | 0.05 | 0.02 | 5.13 | 5.14 | 0.02 | 1.29 | 1.31 | — | 4,352 | 4,352 | 0.13 | 0.10 | 5.43 | 4,391 |
| Total | 1.77 | 1.45 | 10.6 | 19.9 | 0.14 | 0.19 | 8.51 | 8.70 | 0.18 | 2.20 | 2.38 | — | 13,490 | 13,490 | 0.26 | 1.45 | 15.9 | 13,945 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.91 | 0.55 | 20.3 | 6.29 | 0.20 | 0.39 | 7.96 | 8.35 | 0.37 | 2.14 | 2.51 | — | 21,712 | 21,712 | 0.31 | 3.12 | 65.4 | 22,716 |
| Unrefrigerated Warehouse-No Rail | 1.38 | 0.70 | 36.4 | 8.61 | 0.39 | 0.69 | 13.6 | 14.3 | 0.66 | 3.63 | 4.29 | — | 41,521 | 41,521 | 0.60 | 6.23 | 103 | 43,495 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 8.92 | 7.93 | 5.54 | 128 | 0.31 | 0.12 | 31.6 | 31.8 | 0.11 | 7.98 | 8.09 | — | 31,164 | 31,164 | 0.82 | 0.61 | 84.1 | 31,449 |
| Total | 11.2 | 9.18 | 62.2 | 142 | 0.90 | 1.19 | 53.2 | 54.4 | 1.14 | 13.7 | 14.9 | — | 94,397 | 94,397 | 1.74 | 9.96 | 253 | 97,660 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.91 | 0.54 | 21.1 | 6.26 | 0.20 | 0.39 | 7.96 | 8.35 | 0.37 | 2.14 | 2.51 | — | 21,714 | 21,714 | 0.31 | 3.13 | 1.70 | 22,655 |
| Unrefrigerated Warehouse-No Rail | 1.37 | 0.69 | 38.0 | 8.60 | 0.39 | 0.69 | 13.6 | 14.3 | 0.66 | 3.63 | 4.29 | — | 41,525 | 41,525 | 0.60 | 6.23 | 2.68 | 43,399 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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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| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 8.60 | 7.62 | 6.16 | 102 | 0.28 | 0.12 | 31.6 | 31.8 | 0.11 | 7.98 | 8.09 | — | 28,769 | 28,769 | 0.84 | 0.65 | 2.18 | 28,987 |
| Total | 10.9 | 8.86 | 65.3 | 117 | 0.88 | 1.20 | 53.2 | 54.4 | 1.14 | 13.7 | 14.9 | — | 92,009 | 92,009 | 1.75 | 10.0 | 6.55 | 95,041 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.14 | 0.09 | 3.42 | 1.00 | 0.03 | 0.06 | 1.25 | 1.31 | 0.06 | 0.34 | 0.40 | — | 3,140 | 3,140 | 0.04 | 0.45 | 4.08 | 3,280 |
| Unrefrigerated Warehouse-No Rail | 0.22 | 0.11 | 6.13 | 1.37 | 0.06 | 0.11 | 2.13 | 2.24 | 0.11 | 0.57 | 0.68 | — | 5,997 | 5,997 | 0.09 | 0.90 | 6.44 | 6,274 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 1.41 | 1.25 | 1.05 | 17.6 | 0.05 | 0.02 | 5.13 | 5.14 | 0.02 | 1.29 | 1.31 | — | 4,352 | 4,352 | 0.13 | 0.10 | 5.43 | 4,391 |
| Total | 1.77 | 1.45 | 10.6 | 19.9 | 0.14 | 0.19 | 8.51 | 8.70 | 0.18 | 2.20 | 2.38 | — | 13,490 | 13,490 | 0.26 | 1.45 | 15.9 | 13,945 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,360 | 2,360 | 0.22 | 0.03 | — | 2,374 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,077 | 2,077 | 0.20 | 0.02 | — | 2,089 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 268 | 268 | 0.03 | < 0.005 | — | 269 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 4,705 | 4,705 | 0.45 | 0.05 | — | 4,732 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,360 | 2,360 | 0.22 | 0.03 | — | 2,374 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,077 | 2,077 | 0.20 | 0.02 | — | 2,089 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 268 | 268 | 0.03 | < 0.005 | — | 269 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 4,705 | 4,705 | 0.45 | 0.05 | — | 4,732 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 391 | 391 | 0.04 | < 0.005 | — | 393 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 344 | 344 | 0.03 | < 0.005 | — | 346 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 44.3 | 44.3 | < 0.005 | < 0.005 | — | 44.6 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 779 | 779 | 0.07 | 0.01 | — | 783 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated | — | — | — | — | — | — | — | — | — | — | — | — | 2,360 | 2,360 | 0.22 | 0.03 | — | 2,374 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,077 | 2,077 | 0.20 | 0.02 | — | 2,089 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 268 | 268 | 0.03 | < 0.005 | — | 269 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 4,705 | 4,705 | 0.45 | 0.05 | — | 4,732 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,360 | 2,360 | 0.22 | 0.03 | — | 2,374 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,077 | 2,077 | 0.20 | 0.02 | — | 2,089 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 268 | 268 | 0.03 | < 0.005 | — | 269 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 4,705 | 4,705 | 0.45 | 0.05 | — | 4,732 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 391 | 391 | 0.04 | < 0.005 | — | 393 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 344 | 344 | 0.03 | < 0.005 | — | 346 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 44.3 | 44.3 | < 0.005 | < 0.005 | — | 44.6 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 779 | 779 | 0.07 | 0.01 | — | 783 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 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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| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

### 4.2.4. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.75 | 1.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 4.97 | 4.58 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Total | 20.6 | 20.2 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.75 | 1.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 15.6 | 15.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 2.53 | 2.53 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.32 | 0.32 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.62 | 0.57 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |
| Total | 3.47 | 3.42 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |

### 4.3.2. 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 | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.75 | 1.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 4.97 | 4.58 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Total | 20.6 | 20.2 | 0.23 | 27.9 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 115 | 115 | < 0.005 | < 0.005 | — | 115 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.75 | 1.75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 15.6 | 15.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 2.53 | 2.53 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 0.32 | 0.32 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 0.62 | 0.57 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 3.47 | 3.42 | 0.03 | 3.49 | < 0.005 | 0.01 | — | 0.01 | < 0.005 | — | < 0.005 | — | 13.0 | 13.0 | < 0.005 | < 0.005 | — | 13.1 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1.11 | 26.0 | 27.1 | 0.12 | < 0.005 | — | 30.9 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.34 | 77.9 | 81.3 | 0.35 | 0.01 | — | 92.7 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | 1.11 | 26.0 | 27.1 | 0.12 | < 0.005 | — | 30.9 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.34 | 77.9 | 81.3 | 0.35 | 0.01 | — | 92.7 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.46 | 104 | 108 | 0.47 | 0.01 | — | 124 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.18 | 4.30 | 4.49 | 0.02 | < 0.005 | — | 5.12 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.55 | 12.9 | 13.5 | 0.06 | < 0.005 | — | 15.4 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 0.74 | 17.2 | 17.9 | 0.08 | < 0.005 | — | 20.5 |

### 4.4.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.89 | 20.8 | 21.7 | 0.09 | < 0.005 | — | 24.7 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2.67 | 62.3 | 65.0 | 0.28 | 0.01 | — | 74.2 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 3.56 | 83.1 | 86.7 | 0.37 | 0.01 | — | 98.9 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.89 | 20.8 | 21.7 | 0.09 | < 0.005 | — | 24.7 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | 2.67 | 62.3 | 65.0 | 0.28 | 0.01 | — | 74.2 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 3.56 | 83.1 | 86.7 | 0.37 | 0.01 | — | 98.9 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.15 | 3.44 | 3.59 | 0.02 | < 0.005 | — | 4.09 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.44 | 10.3 | 10.8 | 0.05 | < 0.005 | — | 12.3 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 0.59 | 13.8 | 14.4 | 0.06 | < 0.005 | — | 16.4 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 62.7 | 0.00 | 62.7 | 6.27 | 0.00 | — | 219 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 262 | 0.00 | 262 | 26.2 | 0.00 | — | 918 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 62.7 | 0.00 | 62.7 | 6.27 | 0.00 | — | 219 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | 262 | 0.00 | 262 | 26.2 | 0.00 | — | 918 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 10.4 | 0.00 | 10.4 | 1.04 | 0.00 | — | 36.3 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 43.4 | 0.00 | 43.4 | 4.34 | 0.00 | — | 152 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |

### 4.5.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 62.7 | 0.00 | 62.7 | 6.27 | 0.00 | — | 219 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 262 | 0.00 | 262 | 26.2 | 0.00 | — | 918 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 62.7 | 0.00 | 62.7 | 6.27 | 0.00 | — | 219 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 262 | 0.00 | 262 | 26.2 | 0.00 | — | 918 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 325 | 0.00 | 325 | 32.5 | 0.00 | — | 1,137 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 10.4 | 0.00 | 10.4 | 1.04 | 0.00 | — | 36.3 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 43.4 | 0.00 | 43.4 | 4.34 | 0.00 | — | 152 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 53.8 | 0.00 | 53.8 | 5.38 | 0.00 | — | 188 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.9 | 20.9 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.9 | 20.9 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126 | 126 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.9 | 20.9 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 20.9 | 20.9 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency Generat | 4.83 | 4.40 | 19.7 | 11.2 | 0.02 | 0.65 | 0.00 | 0.65 | 0.65 | 0.00 | 0.65 | 0.00 | 2,250 | 2,250 | 0.09 | 0.02 | 0.00 | 2,257 |
| Total | 5.37 | 4.89 | 21.0 | 12.5 | 0.02 | 0.72 | 0.00 | 0.72 | 0.72 | 0.00 | 0.72 | 0.00 | 2,502 | 2,502 | 0.10 | 0.02 | 0.00 | 2,510 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Emergency Generator | 4.83 | 4.40 | 19.7 | 11.2 | 0.02 | 0.65 | 0.00 | 0.65 | 0.65 | 0.00 | 0.65 | 0.00 | 2,250 | 2,250 | 0.09 | 0.02 | 0.00 | 2,257 |
| Total | 5.37 | 4.89 | 21.0 | 12.5 | 0.02 | 0.72 | 0.00 | 0.72 | 0.72 | 0.00 | 0.72 | 0.00 | 2,502 | 2,502 | 0.10 | 0.02 | 0.00 | 2,510 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.01 | 0.01 | 0.03 | 0.03 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.00 | 5.73 |
| Emergency Generator | 0.12 | 0.11 | 0.49 | 0.28 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 51.0 | 51.0 | < 0.005 | < 0.005 | 0.00 | 51.2 |
| Total | 0.13 | 0.12 | 0.53 | 0.31 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 56.7 | 56.7 | < 0.005 | < 0.005 | 0.00 | 56.9 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency Generat | 4.83 | 4.40 | 19.7 | 11.2 | 0.02 | 0.65 | 0.00 | 0.65 | 0.65 | 0.00 | 0.65 | 0.00 | 2,250 | 2,250 | 0.09 | 0.02 | 0.00 | 2,257 |
| Total | 5.37 | 4.89 | 21.0 | 12.5 | 0.02 | 0.72 | 0.00 | 0.72 | 0.72 | 0.00 | 0.72 | 0.00 | 2,502 | 2,502 | 0.10 | 0.02 | 0.00 | 2,510 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.54 | 0.49 | 1.38 | 1.26 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 252 | 252 | 0.01 | < 0.005 | 0.00 | 253 |
| Emergency Generator | 4.83 | 4.40 | 19.7 | 11.2 | 0.02 | 0.65 | 0.00 | 0.65 | 0.65 | 0.00 | 0.65 | 0.00 | 2,250 | 2,250 | 0.09 | 0.02 | 0.00 | 2,257 |
| Total | 5.37 | 4.89 | 21.0 | 12.5 | 0.02 | 0.72 | 0.00 | 0.72 | 0.72 | 0.00 | 0.72 | 0.00 | 2,502 | 2,502 | 0.10 | 0.02 | 0.00 | 2,510 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.01 | 0.01 | 0.03 | 0.03 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 5.71 | 5.71 | < 0.005 | < 0.005 | 0.00 | 5.73 |
| Emergency Generator | 0.12 | 0.11 | 0.49 | 0.28 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 51.0 | 51.0 | < 0.005 | < 0.005 | 0.00 | 51.2 |
| Total | 0.13 | 0.12 | 0.53 | 0.31 | < 0.005 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.02 | 0.00 | 56.7 | 56.7 | < 0.005 | < 0.005 | 0.00 | 56.9 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

| Vegetati | 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

## 5.9. 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 93.1 | 53.0 | 50.8 | 29,680 | 9,108 | 5,184 | 4,966 | 2,903,935 |
| Unrefrigerated Warehouse-No Rail | 44.3 | 21.9 | 20.6 | 13,760 | 4,184 | 2,074 | 1,946 | 1,300,366 |
| Unrefrigerated Warehouse-No Rail | 37.0 | 31.6 | 31.4 | 12,917 | 3,490 | 2,981 | 2,963 | 1,219,789 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 1,825 | 1,216 | 1,193 | 601,372 | 45,442 | 30,279 | 29,719 | 14,975,829 |
| Unrefrigerated Warehouse-No Rail | 84.0 | 39.9 | 37.5 | 25,922 | 7,919 | 3,759 | 3,533 | 2,444,712 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 93.1 | 53.0 | 50.8 | 29,680 | 9,108 | 5,184 | 4,966 | 2,903,935 |
| Unrefrigerated Warehouse-No Rail | 44.3 | 21.9 | 20.6 | 13,760 | 4,184 | 2,074 | 1,946 | 1,300,366 |
| Unrefrigerated Warehouse-No Rail | 37.0 | 31.6 | 31.4 | 12,917 | 3,490 | 2,981 | 2,963 | 1,219,789 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 1,825 | 1,216 | 1,193 | 601,372 | 45,442 | 30,279 | 29,719 | 14,975,829 |
| Unrefrigerated Warehouse-No Rail | 84.0 | 39.9 | 37.5 | 25,922 | 7,919 | 3,759 | 3,533 | 2,444,712 |

## 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) |
|---|---|---|---|---|
| 0 | 0.00 | 962,435 | 320,812 | 96,803 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

### 5.10.4. Landscape Equipment - Mitigated

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

# 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 2,487,980 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 814,107 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 814,107 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 282,297 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 561,890 | 346 | 0.0330 | 0.0040 | 0.00 |

## 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 2,487,980 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 814,107 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 814,107 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 282,297 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 561,890 | 346 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 581,263 | 4,415,279 |
| Unrefrigerated Warehouse-No Rail | 581,263 | 4,415,279 |
| Unrefrigerated Warehouse-No Rail | 581,263 | 4,415,279 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 581,263 | 4,415,279 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 465,010 | 3,532,223 |
| Unrefrigerated Warehouse-No Rail | 465,010 | 3,532,223 |
| Unrefrigerated Warehouse-No Rail | 465,010 | 3,532,223 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 465,010 | 3,532,223 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 116 | — |

| | | |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 181 | — |
| Unrefrigerated Warehouse-No Rail | 181 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 125 | — |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 116 | — |
| Unrefrigerated Warehouse-No Rail | 181 | — |
| Unrefrigerated Warehouse-No Rail | 181 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 125 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |

### 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |

| | | |
|---|---|---|
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |

| | | | | |
|---|---|---|---|---|
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |

| | |
|---|---|
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |

| | |
|---|---|
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |

| | |
|---|---|
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |

| | |
|---|---|
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas. Assumes 412,500 kWh per year will be generated by solar. |

| | |
|---|---|
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Operations: Refrigerants | As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively |

# 15718 Beaumont Heights Option B (Phase 2) Mitigated Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option B (Phase 2) Mitigated |
| Operational Year | 2029 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 391 | 1000sqft | 8.98 | 391,223 | 270,704 | — | — | Cold Storage |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 608 | 1000sqft | 14.0 | 608,300 | 270,704 | — | — | Non-Sort |
| Unrefrigerated Warehouse-No Rail | 608 | 1000sqft | 14.0 | 608,300 | 270,704 | — | — | Sort |
| Parking Lot | 2,324 | Space | 20.9 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 73.4 | Acre | 73.4 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 2,028 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Vehicles |
| Unrefrigerated Warehouse-No Rail | 420 | 1000sqft | 9.64 | 419,843 | 270,704 | — | — | Warehousing |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |

# 2. Emissions Summary

## 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. | 109 | 101 | 227 | 543 | 2.80 | 5.22 | 167 | 172 | 5.01 | 43.2 | 48.2 | 1,041 | 308,962 | 310,003 | 111 | 30.5 | 1,112 | 322,966 |
| Mit. | 109 | 101 | 227 | 543 | 2.80 | 5.22 | 167 | 172 | 5.01 | 43.2 | 48.2 | 1,038 | 308,907 | 309,946 | 111 | 30.4 | 1,112 | 322,899 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmit. | 92.7 | 85.6 | 236 | 379 | 2.72 | 5.07 | 167 | 172 | 4.89 | 43.2 | 48.1 | 1,041 | 301,197 | 302,238 | 111 | 30.6 | 417 | 314,553 |
| Mit. | 92.7 | 85.6 | 236 | 379 | 2.72 | 5.07 | 167 | 172 | 4.89 | 43.2 | 48.1 | 1,038 | 301,143 | 302,181 | 111 | 30.6 | 417 | 314,486 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 90.7 | 84.3 | 178 | 393 | 2.38 | 3.48 | 146 | 150 | 3.30 | 37.8 | 41.1 | 1,041 | 264,911 | 265,953 | 110 | 26.8 | 670 | 277,366 |
| Mit. | 90.7 | 84.3 | 178 | 393 | 2.38 | 3.48 | 146 | 150 | 3.30 | 37.8 | 41.1 | 1,038 | 264,857 | 265,895 | 110 | 26.8 | 670 | 277,299 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 16.5 | 15.4 | 32.5 | 71.8 | 0.43 | 0.63 | 26.7 | 27.4 | 0.60 | 6.91 | 7.51 | 172 | 43,859 | 44,031 | 18.3 | 4.44 | 111 | 45,921 |
| Mit. | 16.5 | 15.4 | 32.5 | 71.8 | 0.43 | 0.63 | 26.7 | 27.4 | 0.60 | 6.91 | 7.51 | 172 | 43,850 | 44,022 | 18.2 | 4.44 | 111 | 45,910 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |

## 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 | 33.7 | 27.6 | 184 | 430 | 2.75 | 3.63 | 167 | 171 | 3.46 | 43.2 | 46.6 | — | 288,482 | 288,482 | 5.27 | 30.2 | 713 | 298,327 |
| Area | 64.9 | 63.7 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 14,842 | 14,842 | 1.41 | 0.17 | — | 14,928 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stationary | 10.7 | 9.78 | 42.1 | 24.9 | 0.05 | 1.44 | 0.00 | 1.44 | 1.44 | 0.00 | 1.44 | 0.00 | 5,004 | 5,004 | 0.20 | 0.04 | 0.00 | 5,020 |
| Total | 109 | 101 | 227 | 543 | 2.80 | 5.22 | 167 | 172 | 5.01 | 43.2 | 48.2 | 1,041 | 308,962 | 310,003 | 111 | 30.5 | 1,112 | 322,966 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 32.7 | 26.6 | 194 | 354 | 2.67 | 3.63 | 167 | 171 | 3.46 | 43.2 | 46.6 | — | 281,080 | 281,080 | 5.31 | 30.4 | 18.5 | 290,277 |
| Area | 49.2 | 49.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 14,842 | 14,842 | 1.41 | 0.17 | — | 14,928 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Stationary | 10.7 | 9.78 | 42.1 | 24.9 | 0.05 | 1.44 | 0.00 | 1.44 | 1.44 | 0.00 | 1.44 | 0.00 | 5,004 | 5,004 | 0.20 | 0.04 | 0.00 | 5,020 |
| Total | 92.7 | 85.6 | 236 | 379 | 2.72 | 5.07 | 167 | 172 | 4.89 | 43.2 | 48.1 | 1,041 | 301,197 | 302,238 | 111 | 30.6 | 417 | 314,553 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 29.2 | 23.8 | 172 | 330 | 2.37 | 3.17 | 146 | 150 | 3.02 | 37.8 | 40.9 | — | 248,864 | 248,864 | 4.72 | 26.6 | 272 | 257,174 |
| Area | 59.9 | 59.1 | 0.51 | 60.4 | < 0.005 | 0.11 | — | 0.11 | 0.08 | — | 0.08 | — | 248 | 248 | 0.01 | < 0.005 | — | 249 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 14,842 | 14,842 | 1.41 | 0.17 | — | 14,928 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Stationary | 1.47 | 1.34 | 5.77 | 3.42 | 0.01 | 0.20 | 0.00 | 0.20 | 0.20 | 0.00 | 0.20 | 0.00 | 685 | 685 | 0.03 | 0.01 | 0.00 | 688 |
| Total | 90.7 | 84.3 | 178 | 393 | 2.38 | 3.48 | 146 | 150 | 3.30 | 37.8 | 41.1 | 1,041 | 264,911 | 265,953 | 110 | 26.8 | 670 | 277,366 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 5.34 | 4.35 | 31.4 | 60.1 | 0.43 | 0.58 | 26.7 | 27.3 | 0.55 | 6.91 | 7.46 | — | 41,202 | 41,202 | 0.78 | 4.40 | 45.0 | 42,578 |
| Area | 10.9 | 10.8 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 2,457 | 2,457 | 0.23 | 0.03 | — | 2,472 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 2.33 | 45.0 | 47.4 | 0.24 | 0.01 | — | 55.3 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Waste | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 66.0 | 66.0 |
| Stationary | 0.27 | 0.24 | 1.05 | 0.62 | < 0.005 | 0.04 | 0.00 | 0.04 | 0.04 | 0.00 | 0.04 | 0.00 | 113 | 113 | < 0.005 | < 0.005 | 0.00 | 114 |
| Total | 16.5 | 15.4 | 32.5 | 71.8 | 0.43 | 0.63 | 26.7 | 27.4 | 0.60 | 6.91 | 7.51 | 172 | 43,859 | 44,031 | 18.3 | 4.44 | 111 | 45,921 |

## 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 | 33.7 | 27.6 | 184 | 430 | 2.75 | 3.63 | 167 | 171 | 3.46 | 43.2 | 46.6 | — | 288,482 | 288,482 | 5.27 | 30.2 | 713 | 298,327 |
| Area | 64.9 | 63.7 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 14,842 | 14,842 | 1.41 | 0.17 | — | 14,928 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 11.3 | 218 | 229 | 1.18 | 0.03 | — | 267 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Stationary | 10.7 | 9.78 | 42.1 | 24.9 | 0.05 | 1.44 | 0.00 | 1.44 | 1.44 | 0.00 | 1.44 | 0.00 | 5,004 | 5,004 | 0.20 | 0.04 | 0.00 | 5,020 |
| Total | 109 | 101 | 227 | 543 | 2.80 | 5.22 | 167 | 172 | 5.01 | 43.2 | 48.2 | 1,038 | 308,907 | 309,946 | 111 | 30.4 | 1,112 | 322,899 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 32.7 | 26.6 | 194 | 354 | 2.67 | 3.63 | 167 | 171 | 3.46 | 43.2 | 46.6 | — | 281,080 | 281,080 | 5.31 | 30.4 | 18.5 | 290,277 |
| Area | 49.2 | 49.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 14,842 | 14,842 | 1.41 | 0.17 | — | 14,928 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 11.3 | 218 | 229 | 1.18 | 0.03 | — | 267 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stationa | 10.7 | 9.78 | 42.1 | 24.9 | 0.05 | 1.44 | 0.00 | 1.44 | 1.44 | 0.00 | 1.44 | 0.00 | 5,004 | 5,004 | 0.20 | 0.04 | 0.00 | 5,020 |
| Total | 92.7 | 85.6 | 236 | 379 | 2.72 | 5.07 | 167 | 172 | 4.89 | 43.2 | 48.1 | 1,038 | 301,143 | 302,181 | 111 | 30.6 | 417 | 314,486 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 29.2 | 23.8 | 172 | 330 | 2.37 | 3.17 | 146 | 150 | 3.02 | 37.8 | 40.9 | — | 248,864 | 248,864 | 4.72 | 26.6 | 272 | 257,174 |
| Area | 59.9 | 59.1 | 0.51 | 60.4 | < 0.005 | 0.11 | — | 0.11 | 0.08 | — | 0.08 | — | 248 | 248 | 0.01 | < 0.005 | — | 249 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 14,842 | 14,842 | 1.41 | 0.17 | — | 14,928 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 11.3 | 218 | 229 | 1.18 | 0.03 | — | 267 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Stationary | 1.47 | 1.34 | 5.77 | 3.42 | 0.01 | 0.20 | 0.00 | 0.20 | 0.20 | 0.00 | 0.20 | 0.00 | 685 | 685 | 0.03 | 0.01 | 0.00 | 688 |
| Total | 90.7 | 84.3 | 178 | 393 | 2.38 | 3.48 | 146 | 150 | 3.30 | 37.8 | 41.1 | 1,038 | 264,857 | 265,895 | 110 | 26.8 | 670 | 277,299 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 5.34 | 4.35 | 31.4 | 60.1 | 0.43 | 0.58 | 26.7 | 27.3 | 0.55 | 6.91 | 7.46 | — | 41,202 | 41,202 | 0.78 | 4.40 | 45.0 | 42,578 |
| Area | 10.9 | 10.8 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 2,457 | 2,457 | 0.23 | 0.03 | — | 2,472 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 1.87 | 36.0 | 37.9 | 0.19 | < 0.005 | — | 44.2 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 66.0 | 66.0 |
| Stationary | 0.27 | 0.24 | 1.05 | 0.62 | < 0.005 | 0.04 | 0.00 | 0.04 | 0.04 | 0.00 | 0.04 | 0.00 | 113 | 113 | < 0.005 | < 0.005 | 0.00 | 114 |
| Total | 16.5 | 15.4 | 32.5 | 71.8 | 0.43 | 0.63 | 26.7 | 27.4 | 0.60 | 6.91 | 7.51 | 172 | 43,850 | 44,022 | 18.2 | 4.44 | 111 | 45,910 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 2.75 | 1.62 | 60.8 | 18.8 | 0.63 | 1.19 | 25.1 | 26.3 | 1.14 | 6.74 | 7.88 | — | 66,879 | 66,879 | 0.96 | 9.62 | 189 | 69,960 |
| Unrefrigerated Warehouse-No Rail | 4.09 | 2.05 | 107 | 25.2 | 1.17 | 2.08 | 41.9 | 43.9 | 1.99 | 11.2 | 13.2 | — | 124,906 | 124,906 | 1.83 | 18.7 | 291 | 130,827 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 26.9 | 23.9 | 16.4 | 386 | 0.96 | 0.35 | 100.0 | 100 | 0.32 | 25.2 | 25.6 | — | 96,696 | 96,696 | 2.48 | 1.84 | 233 | 97,540 |
| Total | 33.7 | 27.6 | 184 | 430 | 2.75 | 3.63 | 167 | 171 | 3.46 | 43.2 | 46.6 | — | 288,482 | 288,482 | 5.27 | 30.2 | 713 | 298,327 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 2.72 | 1.60 | 63.4 | 18.7 | 0.63 | 1.19 | 25.1 | 26.3 | 1.14 | 6.74 | 7.88 | — | 66,885 | 66,885 | 0.96 | 9.63 | 4.90 | 69,784 |
| Unrefrigerated Warehouse-No Rail | 4.05 | 2.02 | 112 | 25.2 | 1.17 | 2.08 | 41.9 | 43.9 | 1.99 | 11.2 | 13.2 | — | 124,919 | 124,919 | 1.83 | 18.7 | 7.54 | 130,558 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 26.0 | 23.0 | 18.2 | 310 | 0.88 | 0.35 | 100.0 | 100 | 0.32 | 25.2 | 25.6 | — | 89,276 | 89,276 | 2.52 | 1.98 | 6.05 | 89,936 |
| Total | 32.7 | 26.6 | 194 | 354 | 2.67 | 3.63 | 167 | 171 | 3.46 | 43.2 | 46.6 | — | 281,080 | 281,080 | 5.31 | 30.4 | 18.5 | 290,277 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.44 | 0.26 | 10.2 | 2.98 | 0.10 | 0.19 | 3.96 | 4.15 | 0.18 | 1.06 | 1.24 | — | 9,672 | 9,672 | 0.14 | 1.39 | 11.8 | 10,102 |
| Unrefrigerated Warehouse-No Rail | 0.65 | 0.32 | 18.0 | 4.00 | 0.19 | 0.33 | 6.57 | 6.90 | 0.32 | 1.76 | 2.07 | — | 18,024 | 18,024 | 0.26 | 2.70 | 18.1 | 18,855 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 4.25 | 3.77 | 3.10 | 53.2 | 0.15 | 0.06 | 16.2 | 16.3 | 0.05 | 4.09 | 4.14 | — | 13,506 | 13,506 | 0.38 | 0.30 | 15.1 | 13,621 |
| Total | 5.34 | 4.35 | 31.4 | 60.1 | 0.43 | 0.58 | 26.7 | 27.3 | 0.55 | 6.91 | 7.46 | — | 41,202 | 41,202 | 0.78 | 4.40 | 45.0 | 42,578 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 2.75 | 1.62 | 60.8 | 18.8 | 0.63 | 1.19 | 25.1 | 26.3 | 1.14 | 6.74 | 7.88 | — | 66,879 | 66,879 | 0.96 | 9.62 | 189 | 69,960 |
| Unrefrigerated Warehouse-No Rail | 4.09 | 2.05 | 107 | 25.2 | 1.17 | 2.08 | 41.9 | 43.9 | 1.99 | 11.2 | 13.2 | — | 124,906 | 124,906 | 1.83 | 18.7 | 291 | 130,827 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 26.9 | 23.9 | 16.4 | 386 | 0.96 | 0.35 | 100.0 | 100 | 0.32 | 25.2 | 25.6 | — | 96,696 | 96,696 | 2.48 | 1.84 | 233 | 97,540 |
| Total | 33.7 | 27.6 | 184 | 430 | 2.75 | 3.63 | 167 | 171 | 3.46 | 43.2 | 46.6 | — | 288,482 | 288,482 | 5.27 | 30.2 | 713 | 298,327 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 2.72 | 1.60 | 63.4 | 18.7 | 0.63 | 1.19 | 25.1 | 26.3 | 1.14 | 6.74 | 7.88 | — | 66,885 | 66,885 | 0.96 | 9.63 | 4.90 | 69,784 |
| Unrefrigerated Warehouse-No Rail | 4.05 | 2.02 | 112 | 25.2 | 1.17 | 2.08 | 41.9 | 43.9 | 1.99 | 11.2 | 13.2 | — | 124,919 | 124,919 | 1.83 | 18.7 | 7.54 | 130,558 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 26.0 | 23.0 | 18.2 | 310 | 0.88 | 0.35 | 100.0 | 100 | 0.32 | 25.2 | 25.6 | — | 89,276 | 89,276 | 2.52 | 1.98 | 6.05 | 89,936 |
| Total | 32.7 | 26.6 | 194 | 354 | 2.67 | 3.63 | 167 | 171 | 3.46 | 43.2 | 46.6 | — | 281,080 | 281,080 | 5.31 | 30.4 | 18.5 | 290,277 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.44 | 0.26 | 10.2 | 2.98 | 0.10 | 0.19 | 3.96 | 4.15 | 0.18 | 1.06 | 1.24 | — | 9,672 | 9,672 | 0.14 | 1.39 | 11.8 | 10,102 |
| Unrefrigerated Warehouse-No Rail | 0.65 | 0.32 | 18.0 | 4.00 | 0.19 | 0.33 | 6.57 | 6.90 | 0.32 | 1.76 | 2.07 | — | 18,024 | 18,024 | 0.26 | 2.70 | 18.1 | 18,855 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 4.25 | 3.77 | 3.10 | 53.2 | 0.15 | 0.06 | 16.2 | 16.3 | 0.05 | 4.09 | 4.14 | — | 13,506 | 13,506 | 0.38 | 0.30 | 15.1 | 13,621 |
| Total | 5.34 | 4.35 | 31.4 | 60.1 | 0.43 | 0.58 | 26.7 | 27.3 | 0.55 | 6.91 | 7.46 | — | 41,202 | 41,202 | 0.78 | 4.40 | 45.0 | 42,578 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 7,491 | 7,491 | 0.71 | 0.09 | — | 7,534 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 6,594 | 6,594 | 0.63 | 0.08 | — | 6,632 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 757 | 757 | 0.07 | 0.01 | — | 761 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 14,842 | 14,842 | 1.41 | 0.17 | — | 14,928 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 7,491 | 7,491 | 0.71 | 0.09 | — | 7,534 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 6,594 | 6,594 | 0.63 | 0.08 | — | 6,632 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 757 | 757 | 0.07 | 0.01 | — | 761 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 14,842 | 14,842 | 1.41 | 0.17 | — | 14,928 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,240 | 1,240 | 0.12 | 0.01 | — | 1,247 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,092 | 1,092 | 0.10 | 0.01 | — | 1,098 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 125 | 125 | 0.01 | < 0.005 | — | 126 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,457 | 2,457 | 0.23 | 0.03 | — | 2,472 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated | — | — | — | — | — | — | — | — | — | — | — | — | 7,491 | 7,491 | 0.71 | 0.09 | — | 7,534 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 6,594 | 6,594 | 0.63 | 0.08 | — | 6,632 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 757 | 757 | 0.07 | 0.01 | — | 761 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 14,842 | 14,842 | 1.41 | 0.17 | — | 14,928 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 7,491 | 7,491 | 0.71 | 0.09 | — | 7,534 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 6,594 | 6,594 | 0.63 | 0.08 | — | 6,632 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 757 | 757 | 0.07 | 0.01 | — | 761 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 14,842 | 14,842 | 1.41 | 0.17 | — | 14,928 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,240 | 1,240 | 0.12 | 0.01 | — | 1,247 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,092 | 1,092 | 0.10 | 0.01 | — | 1,098 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 125 | 125 | 0.01 | < 0.005 | — | 126 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 2,457 | 2,457 | 0.23 | 0.03 | — | 2,472 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

### 4.2.4. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 43.7 | 43.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.46 | 5.46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 15.7 | 14.5 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Total | 64.9 | 63.7 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 43.7 | 43.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.46 | 5.46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 49.2 | 49.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 7.98 | 7.98 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.00 | 1.00 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 1.96 | 1.81 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |
| Total | 10.9 | 10.8 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |

### 4.3.2. 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 | 43.7 | 43.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.46 | 5.46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 15.7 | 14.5 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Total | 64.9 | 63.7 | 0.74 | 88.2 | 0.01 | 0.16 | — | 0.16 | 0.12 | — | 0.12 | — | 363 | 363 | 0.02 | < 0.005 | — | 364 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 43.7 | 43.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 5.46 | 5.46 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 49.2 | 49.2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 7.98 | 7.98 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.00 | 1.00 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 1.96 | 1.81 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 10.9 | 10.8 | 0.09 | 11.0 | < 0.005 | 0.02 | — | 0.02 | 0.01 | — | 0.01 | — | 41.1 | 41.1 | < 0.005 | < 0.005 | — | 41.3 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.52 | 68.0 | 71.5 | 0.37 | 0.01 | — | 83.5 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 10.6 | 204 | 215 | 1.10 | 0.03 | — | 251 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | 3.52 | 68.0 | 71.5 | 0.37 | 0.01 | — | 83.5 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 10.6 | 204 | 215 | 1.10 | 0.03 | — | 251 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 14.1 | 272 | 286 | 1.47 | 0.04 | — | 334 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.58 | 11.3 | 11.8 | 0.06 | < 0.005 | — | 13.8 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1.75 | 33.8 | 35.5 | 0.18 | < 0.005 | — | 41.5 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2.33 | 45.0 | 47.4 | 0.24 | 0.01 | — | 55.3 |

### 4.4.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2.82 | 54.4 | 57.2 | 0.29 | 0.01 | — | 66.8 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 8.45 | 163 | 172 | 0.88 | 0.02 | — | 200 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 11.3 | 218 | 229 | 1.18 | 0.03 | — | 267 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2.82 | 54.4 | 57.2 | 0.29 | 0.01 | — | 66.8 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | 8.45 | 163 | 172 | 0.88 | 0.02 | — | 200 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 11.3 | 218 | 229 | 1.18 | 0.03 | — | 267 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.47 | 9.01 | 9.47 | 0.05 | < 0.005 | — | 11.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1.40 | 27.0 | 28.4 | 0.15 | < 0.005 | — | 33.2 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1.87 | 36.0 | 37.9 | 0.19 | < 0.005 | — | 44.2 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 198 | 0.00 | 198 | 19.8 | 0.00 | — | 693 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 829 | 0.00 | 829 | 82.9 | 0.00 | — | 2,900 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 198 | 0.00 | 198 | 19.8 | 0.00 | — | 693 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | 829 | 0.00 | 829 | 82.9 | 0.00 | — | 2,900 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 32.8 | 0.00 | 32.8 | 3.28 | 0.00 | — | 115 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 137 | 0.00 | 137 | 13.7 | 0.00 | — | 480 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |

### 4.5.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 198 | 0.00 | 198 | 19.8 | 0.00 | — | 693 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 829 | 0.00 | 829 | 82.9 | 0.00 | — | 2,900 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 198 | 0.00 | 198 | 19.8 | 0.00 | — | 693 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 829 | 0.00 | 829 | 82.9 | 0.00 | — | 2,900 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,027 | 0.00 | 1,027 | 103 | 0.00 | — | 3,594 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 32.8 | 0.00 | 32.8 | 3.28 | 0.00 | — | 115 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 137 | 0.00 | 137 | 13.7 | 0.00 | — | 480 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 170 | 0.00 | 170 | 17.0 | 0.00 | — | 595 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 66.0 | 66.0 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 66.0 | 66.0 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 399 | 399 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 66.0 | 66.0 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 66.0 | 66.0 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency Generat | 9.66 | 8.79 | 39.3 | 22.4 | 0.04 | 1.29 | 0.00 | 1.29 | 1.29 | 0.00 | 1.29 | 0.00 | 4,500 | 4,500 | 0.18 | 0.04 | 0.00 | 4,515 |
| Total | 10.7 | 9.78 | 42.1 | 24.9 | 0.05 | 1.44 | 0.00 | 1.44 | 1.44 | 0.00 | 1.44 | 0.00 | 5,004 | 5,004 | 0.20 | 0.04 | 0.00 | 5,020 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Emergency Generator | 9.66 | 8.79 | 39.3 | 22.4 | 0.04 | 1.29 | 0.00 | 1.29 | 1.29 | 0.00 | 1.29 | 0.00 | 4,500 | 4,500 | 0.18 | 0.04 | 0.00 | 4,515 |
| Total | 10.7 | 9.78 | 42.1 | 24.9 | 0.05 | 1.44 | 0.00 | 1.44 | 1.44 | 0.00 | 1.44 | 0.00 | 5,004 | 5,004 | 0.20 | 0.04 | 0.00 | 5,020 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Emergency Generator | 0.24 | 0.22 | 0.98 | 0.56 | < 0.005 | 0.03 | 0.00 | 0.03 | 0.03 | 0.00 | 0.03 | 0.00 | 102 | 102 | < 0.005 | < 0.005 | 0.00 | 102 |
| Total | 0.27 | 0.24 | 1.05 | 0.62 | < 0.005 | 0.04 | 0.00 | 0.04 | 0.04 | 0.00 | 0.04 | 0.00 | 113 | 113 | < 0.005 | < 0.005 | 0.00 | 114 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency Generat | 9.66 | 8.79 | 39.3 | 22.4 | 0.04 | 1.29 | 0.00 | 1.29 | 1.29 | 0.00 | 1.29 | 0.00 | 4,500 | 4,500 | 0.18 | 0.04 | 0.00 | 4,515 |
| Total | 10.7 | 9.78 | 42.1 | 24.9 | 0.05 | 1.44 | 0.00 | 1.44 | 1.44 | 0.00 | 1.44 | 0.00 | 5,004 | 5,004 | 0.20 | 0.04 | 0.00 | 5,020 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.08 | 0.98 | 2.75 | 2.51 | < 0.005 | 0.14 | 0.00 | 0.14 | 0.14 | 0.00 | 0.14 | 0.00 | 504 | 504 | 0.02 | < 0.005 | 0.00 | 505 |
| Emergency Generator | 9.66 | 8.79 | 39.3 | 22.4 | 0.04 | 1.29 | 0.00 | 1.29 | 1.29 | 0.00 | 1.29 | 0.00 | 4,500 | 4,500 | 0.18 | 0.04 | 0.00 | 4,515 |
| Total | 10.7 | 9.78 | 42.1 | 24.9 | 0.05 | 1.44 | 0.00 | 1.44 | 1.44 | 0.00 | 1.44 | 0.00 | 5,004 | 5,004 | 0.20 | 0.04 | 0.00 | 5,020 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.03 | 0.02 | 0.07 | 0.06 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | 0.00 | 11.4 | 11.4 | < 0.005 | < 0.005 | 0.00 | 11.5 |
| Emergency Generator | 0.24 | 0.22 | 0.98 | 0.56 | < 0.005 | 0.03 | 0.00 | 0.03 | 0.03 | 0.00 | 0.03 | 0.00 | 102 | 102 | < 0.005 | < 0.005 | 0.00 | 102 |
| Total | 0.27 | 0.24 | 1.05 | 0.62 | < 0.005 | 0.04 | 0.00 | 0.04 | 0.04 | 0.00 | 0.04 | 0.00 | 113 | 113 | < 0.005 | < 0.005 | 0.00 | 114 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

| Vegetati | 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

## 5.9. 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 294 | 167 | 160 | 93,797 | 28,784 | 16,383 | 15,694 | 9,177,082 |
| Unrefrigerated Warehouse-No Rail | 140 | 69.3 | 65.1 | 43,486 | 13,221 | 6,553 | 6,151 | 4,109,433 |
| Unrefrigerated Warehouse-No Rail | 117 | 99.8 | 99.2 | 40,822 | 11,029 | 9,420 | 9,363 | 3,854,794 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 5,767 | 3,842 | 3,771 | 1,900,466 | 143,606 | 95,687 | 93,920 | 47,326,897 |
| Unrefrigerated Warehouse-No Rail | 253 | 118 | 110 | 77,760 | 23,877 | 11,106 | 10,392 | 7,345,961 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 294 | 167 | 160 | 93,797 | 28,784 | 16,383 | 15,694 | 9,177,082 |
| Unrefrigerated Warehouse-No Rail | 140 | 69.3 | 65.1 | 43,486 | 13,221 | 6,553 | 6,151 | 4,109,433 |
| Unrefrigerated Warehouse-No Rail | 117 | 99.8 | 99.2 | 40,822 | 11,029 | 9,420 | 9,363 | 3,854,794 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 5,767 | 3,842 | 3,771 | 1,900,466 | 143,606 | 95,687 | 93,920 | 47,326,897 |
| Unrefrigerated Warehouse-No Rail | 253 | 118 | 110 | 77,760 | 23,877 | 11,106 | 10,392 | 7,345,961 |

## 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) |
|---|---|---|---|---|
| 0 | 0.00 | 3,041,499 | 1,013,833 | 246,504 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

### 5.10.4. Landscape Equipment - Mitigated

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

# 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 7,897,721 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 2,584,254 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 2,584,254 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 798,124 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 1,783,628 | 346 | 0.0330 | 0.0040 | 0.00 |

## 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 7,897,721 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 2,584,254 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 2,584,254 | 346 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 798,124 | 346 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 346 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 1,783,628 | 346 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 1,838,323 | 11,152,245 |
| Unrefrigerated Warehouse-No Rail | 1,838,323 | 11,152,245 |
| Unrefrigerated Warehouse-No Rail | 1,838,323 | 11,152,245 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 1,838,323 | 11,152,245 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 1,470,658 | 8,921,796 |
| Unrefrigerated Warehouse-No Rail | 1,470,658 | 8,921,796 |
| Unrefrigerated Warehouse-No Rail | 1,470,658 | 8,921,796 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 1,470,658 | 8,921,796 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 368 | — |

| | | |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 572 | — |
| Unrefrigerated Warehouse-No Rail | 572 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 395 | — |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 368 | — |
| Unrefrigerated Warehouse-No Rail | 572 | — |
| Unrefrigerated Warehouse-No Rail | 572 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 395 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |

### 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |

| | |
|---|---|
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |

| | |
|---|---|
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |

| | |
|---|---|
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |

| | |
|---|---|
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas. Assumes 1,237,500 kWh per year will be generated by solar. |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Operations: Refrigerants | As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively |

# 15718 Beaumont Heights Option B (Phase 3) Mitigated Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option B (Phase 3) Mitigated |
| Operational Year | 2030 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 678 | 1000sqft | 15.6 | 678,499 | 428,924 | — | — | Cold Storage |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,055 | 1000sqft | 24.2 | 1,054,976 | 428,924 | — | — | Non-Sort |
| Unrefrigerated Warehouse-No Rail | 1,055 | 1000sqft | 24.2 | 1,054,976 | 428,924 | — | — | Sort |
| Parking Lot | 4,012 | Space | 36.1 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 106 | Acre | 106 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 3,517 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Vehicles |
| Unrefrigerated Warehouse-No Rail | 728 | 1000sqft | 16.7 | 728,135 | 428,924 | — | — | Warehousing |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |

# 2. Emissions Summary

### 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. | 184 | 171 | 369 | 907 | 4.73 | 8.55 | 290 | 298 | 8.19 | 74.8 | 83.0 | 1,806 | 516,158 | 517,965 | 192 | 51.3 | 1,801 | 539,873 |
| Mit. | 184 | 171 | 369 | 907 | 4.73 | 8.55 | 290 | 298 | 8.19 | 74.8 | 83.0 | 1,801 | 516,098 | 517,900 | 192 | 51.3 | 1,801 | 539,792 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmit. | 156 | 144 | 383 | 626 | 4.60 | 8.28 | 290 | 298 | 7.99 | 74.8 | 82.8 | 1,806 | 502,920 | 504,726 | 192 | 51.6 | 720 | 525,630 |
| Mit. | 156 | 144 | 383 | 626 | 4.60 | 8.28 | 290 | 298 | 7.99 | 74.8 | 82.8 | 1,801 | 502,860 | 504,661 | 192 | 51.6 | 720 | 525,548 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 155 | 144 | 294 | 658 | 4.03 | 5.83 | 254 | 260 | 5.54 | 65.6 | 71.2 | 1,806 | 442,400 | 444,207 | 191 | 45.2 | 1,114 | 463,562 |
| Mit. | 155 | 144 | 294 | 658 | 4.03 | 5.83 | 254 | 260 | 5.54 | 65.6 | 71.2 | 1,801 | 442,340 | 444,142 | 191 | 45.2 | 1,114 | 463,480 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 28.2 | 26.3 | 53.6 | 120 | 0.73 | 1.06 | 46.3 | 47.4 | 1.01 | 12.0 | 13.0 | 299 | 73,244 | 73,544 | 31.6 | 7.48 | 184 | 76,748 |
| Mit. | 28.2 | 26.3 | 53.6 | 120 | 0.73 | 1.06 | 46.3 | 47.4 | 1.01 | 12.0 | 13.0 | 298 | 73,235 | 73,533 | 31.5 | 7.48 | 184 | 76,734 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |

## 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 | 56.0 | 45.7 | 305 | 716 | 4.65 | 6.12 | 290 | 296 | 5.83 | 74.8 | 80.7 | — | 488,279 | 488,279 | 8.85 | 50.9 | 1,109 | 504,783 |
| Area | 112 | 110 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 19,445 | 19,445 | 2.46 | 0.30 | — | 19,596 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stationary | 16.1 | 14.7 | 63.1 | 37.4 | 0.07 | 2.16 | 0.00 | 2.16 | 2.16 | 0.00 | 2.16 | 0.00 | 7,505 | 7,505 | 0.30 | 0.06 | 0.00 | 7,530 |
| Total | 184 | 171 | 369 | 907 | 4.73 | 8.55 | 290 | 298 | 8.19 | 74.8 | 83.0 | 1,806 | 516,158 | 517,965 | 192 | 51.3 | 1,801 | 539,873 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 54.3 | 44.1 | 320 | 588 | 4.53 | 6.12 | 290 | 296 | 5.83 | 74.8 | 80.7 | — | 475,670 | 475,670 | 8.91 | 51.2 | 28.8 | 491,171 |
| Area | 85.1 | 85.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 19,445 | 19,445 | 2.46 | 0.30 | — | 19,596 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Stationary | 16.1 | 14.7 | 63.1 | 37.4 | 0.07 | 2.16 | 0.00 | 2.16 | 2.16 | 0.00 | 2.16 | 0.00 | 7,505 | 7,505 | 0.30 | 0.06 | 0.00 | 7,530 |
| Total | 156 | 144 | 383 | 626 | 4.60 | 8.28 | 290 | 298 | 7.99 | 74.8 | 82.8 | 1,806 | 502,920 | 504,726 | 192 | 51.6 | 720 | 525,630 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 48.5 | 39.5 | 284 | 548 | 4.01 | 5.35 | 254 | 259 | 5.10 | 65.6 | 70.7 | — | 421,196 | 421,196 | 7.91 | 44.8 | 423 | 435,168 |
| Area | 104 | 102 | 0.88 | 105 | 0.01 | 0.19 | — | 0.19 | 0.14 | — | 0.14 | — | 431 | 431 | 0.02 | < 0.005 | — | 432 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 19,445 | 19,445 | 2.46 | 0.30 | — | 19,596 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Stationary | 2.21 | 2.01 | 8.65 | 5.12 | 0.01 | 0.30 | 0.00 | 0.30 | 0.30 | 0.00 | 0.30 | 0.00 | 1,028 | 1,028 | 0.04 | 0.01 | 0.00 | 1,032 |
| Total | 155 | 144 | 294 | 658 | 4.03 | 5.83 | 254 | 260 | 5.54 | 65.6 | 71.2 | 1,806 | 442,400 | 444,207 | 191 | 45.2 | 1,114 | 463,562 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 8.86 | 7.20 | 51.9 | 100 | 0.73 | 0.98 | 46.3 | 47.3 | 0.93 | 12.0 | 12.9 | — | 69,734 | 69,734 | 1.31 | 7.42 | 70.0 | 72,047 |
| Area | 18.9 | 18.7 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 3,219 | 3,219 | 0.41 | 0.05 | — | 3,244 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.13 | 49.6 | 53.8 | 0.43 | 0.01 | — | 67.7 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Waste | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 114 | 114 |
| Stationary | 0.40 | 0.37 | 1.58 | 0.94 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | 170 | 170 | 0.01 | < 0.005 | 0.00 | 171 |
| Total | 28.2 | 26.3 | 53.6 | 120 | 0.73 | 1.06 | 46.3 | 47.4 | 1.01 | 12.0 | 13.0 | 299 | 73,244 | 73,544 | 31.6 | 7.48 | 184 | 76,748 |

## 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 | 56.0 | 45.7 | 305 | 716 | 4.65 | 6.12 | 290 | 296 | 5.83 | 74.8 | 80.7 | — | 488,279 | 488,279 | 8.85 | 50.9 | 1,109 | 504,783 |
| Area | 112 | 110 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 19,445 | 19,445 | 2.46 | 0.30 | — | 19,596 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 19.9 | 240 | 260 | 2.08 | 0.05 | — | 327 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Stationary | 16.1 | 14.7 | 63.1 | 37.4 | 0.07 | 2.16 | 0.00 | 2.16 | 2.16 | 0.00 | 2.16 | 0.00 | 7,505 | 7,505 | 0.30 | 0.06 | 0.00 | 7,530 |
| Total | 184 | 171 | 369 | 907 | 4.73 | 8.55 | 290 | 298 | 8.19 | 74.8 | 83.0 | 1,801 | 516,098 | 517,900 | 192 | 51.3 | 1,801 | 539,792 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 54.3 | 44.1 | 320 | 588 | 4.53 | 6.12 | 290 | 296 | 5.83 | 74.8 | 80.7 | — | 475,670 | 475,670 | 8.91 | 51.2 | 28.8 | 491,171 |
| Area | 85.1 | 85.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 19,445 | 19,445 | 2.46 | 0.30 | — | 19,596 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 19.9 | 240 | 260 | 2.08 | 0.05 | — | 327 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stationa | 16.1 | 14.7 | 63.1 | 37.4 | 0.07 | 2.16 | 0.00 | 2.16 | 2.16 | 0.00 | 2.16 | 0.00 | 7,505 | 7,505 | 0.30 | 0.06 | 0.00 | 7,530 |
| Total | 156 | 144 | 383 | 626 | 4.60 | 8.28 | 290 | 298 | 7.99 | 74.8 | 82.8 | 1,801 | 502,860 | 504,661 | 192 | 51.6 | 720 | 525,548 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 48.5 | 39.5 | 284 | 548 | 4.01 | 5.35 | 254 | 259 | 5.10 | 65.6 | 70.7 | — | 421,196 | 421,196 | 7.91 | 44.8 | 423 | 435,168 |
| Area | 104 | 102 | 0.88 | 105 | 0.01 | 0.19 | — | 0.19 | 0.14 | — | 0.14 | — | 431 | 431 | 0.02 | < 0.005 | — | 432 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 19,445 | 19,445 | 2.46 | 0.30 | — | 19,596 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 19.9 | 240 | 260 | 2.08 | 0.05 | — | 327 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Stationary | 2.21 | 2.01 | 8.65 | 5.12 | 0.01 | 0.30 | 0.00 | 0.30 | 0.30 | 0.00 | 0.30 | 0.00 | 1,028 | 1,028 | 0.04 | 0.01 | 0.00 | 1,032 |
| Total | 155 | 144 | 294 | 658 | 4.03 | 5.83 | 254 | 260 | 5.54 | 65.6 | 71.2 | 1,801 | 442,340 | 444,142 | 191 | 45.2 | 1,114 | 463,480 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 8.86 | 7.20 | 51.9 | 100 | 0.73 | 0.98 | 46.3 | 47.3 | 0.93 | 12.0 | 12.9 | — | 69,734 | 69,734 | 1.31 | 7.42 | 70.0 | 72,047 |
| Area | 18.9 | 18.7 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 3,219 | 3,219 | 0.41 | 0.05 | — | 3,244 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 39.7 | 43.0 | 0.34 | 0.01 | — | 54.2 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 114 | 114 |
| Stationary | 0.40 | 0.37 | 1.58 | 0.94 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | 170 | 170 | 0.01 | < 0.005 | 0.00 | 171 |
| Total | 28.2 | 26.3 | 53.6 | 120 | 0.73 | 1.06 | 46.3 | 47.4 | 1.01 | 12.0 | 13.0 | 298 | 73,235 | 73,533 | 31.5 | 7.48 | 184 | 76,734 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 4.51 | 2.63 | 100 | 30.5 | 1.05 | 2.02 | 43.6 | 45.6 | 1.93 | 11.7 | 13.6 | — | 112,733 | 112,733 | 1.62 | 16.2 | 298 | 117,906 |
| Unrefrigerated Warehouse-No Rail | 6.80 | 3.35 | 178 | 41.2 | 1.97 | 3.53 | 72.6 | 76.1 | 3.38 | 19.4 | 22.8 | — | 210,652 | 210,652 | 3.11 | 31.6 | 458 | 220,608 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 44.7 | 39.7 | 26.7 | 645 | 1.63 | 0.57 | 173 | 174 | 0.52 | 43.8 | 44.3 | — | 164,893 | 164,893 | 4.11 | 3.08 | 354 | 166,268 |
| Total | 56.0 | 45.7 | 305 | 716 | 4.65 | 6.12 | 290 | 296 | 5.83 | 74.8 | 80.7 | — | 488,279 | 488,279 | 8.85 | 50.9 | 1,109 | 504,783 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 4.47 | 2.59 | 105 | 30.4 | 1.06 | 2.02 | 43.6 | 45.6 | 1.93 | 11.7 | 13.6 | — | 112,744 | 112,744 | 1.62 | 16.2 | 7.73 | 117,629 |
| Unrefrigerated Warehouse-No Rail | 6.73 | 3.29 | 186 | 41.2 | 1.97 | 3.53 | 72.6 | 76.1 | 3.38 | 19.4 | 22.8 | — | 210,674 | 210,674 | 3.11 | 31.6 | 11.9 | 220,188 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 43.1 | 38.3 | 29.7 | 517 | 1.50 | 0.57 | 173 | 174 | 0.52 | 43.8 | 44.3 | — | 152,252 | 152,252 | 4.18 | 3.32 | 9.17 | 153,354 |
| Total | 54.3 | 44.1 | 320 | 588 | 4.53 | 6.12 | 290 | 296 | 5.83 | 74.8 | 80.7 | — | 475,670 | 475,670 | 8.91 | 51.2 | 28.8 | 491,171 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.71 | 0.42 | 16.9 | 4.83 | 0.17 | 0.32 | 6.86 | 7.18 | 0.31 | 1.84 | 2.15 | — | 16,303 | 16,303 | 0.23 | 2.35 | 18.6 | 17,028 |
| Unrefrigerated Warehouse-No Rail | 1.08 | 0.53 | 29.9 | 6.53 | 0.31 | 0.56 | 11.4 | 11.9 | 0.54 | 3.05 | 3.58 | — | 30,397 | 30,397 | 0.45 | 4.56 | 28.5 | 31,797 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 7.07 | 6.26 | 5.05 | 88.7 | 0.25 | 0.09 | 28.1 | 28.2 | 0.09 | 7.09 | 7.18 | — | 23,033 | 23,033 | 0.63 | 0.51 | 22.8 | 23,223 |
| Total | 8.86 | 7.20 | 51.9 | 100 | 0.73 | 0.98 | 46.3 | 47.3 | 0.93 | 12.0 | 12.9 | — | 69,734 | 69,734 | 1.31 | 7.42 | 70.0 | 72,047 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 4.51 | 2.63 | 100 | 30.5 | 1.05 | 2.02 | 43.6 | 45.6 | 1.93 | 11.7 | 13.6 | — | 112,733 | 112,733 | 1.62 | 16.2 | 298 | 117,906 |
| Unrefrigerated Warehouse-No Rail | 6.80 | 3.35 | 178 | 41.2 | 1.97 | 3.53 | 72.6 | 76.1 | 3.38 | 19.4 | 22.8 | — | 210,652 | 210,652 | 3.11 | 31.6 | 458 | 220,608 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 44.7 | 39.7 | 26.7 | 645 | 1.63 | 0.57 | 173 | 174 | 0.52 | 43.8 | 44.3 | — | 164,893 | 164,893 | 4.11 | 3.08 | 354 | 166,268 |
| Total | 56.0 | 45.7 | 305 | 716 | 4.65 | 6.12 | 290 | 296 | 5.83 | 74.8 | 80.7 | — | 488,279 | 488,279 | 8.85 | 50.9 | 1,109 | 504,783 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 4.47 | 2.59 | 105 | 30.4 | 1.06 | 2.02 | 43.6 | 45.6 | 1.93 | 11.7 | 13.6 | — | 112,744 | 112,744 | 1.62 | 16.2 | 7.73 | 117,629 |
| Unrefrigerated Warehouse-No Rail | 6.73 | 3.29 | 186 | 41.2 | 1.97 | 3.53 | 72.6 | 76.1 | 3.38 | 19.4 | 22.8 | — | 210,674 | 210,674 | 3.11 | 31.6 | 11.9 | 220,188 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 43.1 | 38.3 | 29.7 | 517 | 1.50 | 0.57 | 173 | 174 | 0.52 | 43.8 | 44.3 | — | 152,252 | 152,252 | 4.18 | 3.32 | 9.17 | 153,354 |
| Total | 54.3 | 44.1 | 320 | 588 | 4.53 | 6.12 | 290 | 296 | 5.83 | 74.8 | 80.7 | — | 475,670 | 475,670 | 8.91 | 51.2 | 28.8 | 491,171 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.71 | 0.42 | 16.9 | 4.83 | 0.17 | 0.32 | 6.86 | 7.18 | 0.31 | 1.84 | 2.15 | — | 16,303 | 16,303 | 0.23 | 2.35 | 18.6 | 17,028 |
| Unrefrigerated Warehouse-No Rail | 1.08 | 0.53 | 29.9 | 6.53 | 0.31 | 0.56 | 11.4 | 11.9 | 0.54 | 3.05 | 3.58 | — | 30,397 | 30,397 | 0.45 | 4.56 | 28.5 | 31,797 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 7.07 | 6.26 | 5.05 | 88.7 | 0.25 | 0.09 | 28.1 | 28.2 | 0.09 | 7.09 | 7.18 | — | 23,033 | 23,033 | 0.63 | 0.51 | 22.8 | 23,223 |
| Total | 8.86 | 7.20 | 51.9 | 100 | 0.73 | 0.98 | 46.3 | 47.3 | 0.93 | 12.0 | 12.9 | — | 69,734 | 69,734 | 1.31 | 7.42 | 70.0 | 72,047 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 9,818 | 9,818 | 1.24 | 0.15 | — | 9,894 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 8,643 | 8,643 | 1.09 | 0.13 | — | 8,709 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 984 | 984 | 0.12 | 0.02 | — | 992 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 19,445 | 19,445 | 2.46 | 0.30 | — | 19,596 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 9,818 | 9,818 | 1.24 | 0.15 | — | 9,894 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 8,643 | 8,643 | 1.09 | 0.13 | — | 8,709 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 984 | 984 | 0.12 | 0.02 | — | 992 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 19,445 | 19,445 | 2.46 | 0.30 | — | 19,596 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,626 | 1,626 | 0.21 | 0.02 | — | 1,638 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,431 | 1,431 | 0.18 | 0.02 | — | 1,442 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 163 | 163 | 0.02 | < 0.005 | — | 164 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 3,219 | 3,219 | 0.41 | 0.05 | — | 3,244 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated | — | — | — | — | — | — | — | — | — | — | — | — | 9,818 | 9,818 | 1.24 | 0.15 | — | 9,894 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 8,643 | 8,643 | 1.09 | 0.13 | — | 8,709 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 984 | 984 | 0.12 | 0.02 | — | 992 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 19,445 | 19,445 | 2.46 | 0.30 | — | 19,596 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 9,818 | 9,818 | 1.24 | 0.15 | — | 9,894 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 8,643 | 8,643 | 1.09 | 0.13 | — | 8,709 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 984 | 984 | 0.12 | 0.02 | — | 992 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 19,445 | 19,445 | 2.46 | 0.30 | — | 19,596 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,626 | 1,626 | 0.21 | 0.02 | — | 1,638 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 1,431 | 1,431 | 0.18 | 0.02 | — | 1,442 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 163 | 163 | 0.02 | < 0.005 | — | 164 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 3,219 | 3,219 | 0.41 | 0.05 | — | 3,244 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

### 4.2.4. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 75.7 | 75.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.41 | 9.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 27.2 | 25.1 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Total | 112 | 110 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 75.7 | 75.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.41 | 9.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 85.1 | 85.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 13.8 | 13.8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.72 | 1.72 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 3.40 | 3.14 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |
| Total | 18.9 | 18.7 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |

### 4.3.2. 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 | 75.7 | 75.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.41 | 9.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 27.2 | 25.1 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Total | 112 | 110 | 1.29 | 153 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 629 | 629 | 0.03 | 0.01 | — | 631 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 75.7 | 75.7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 9.41 | 9.41 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 85.1 | 85.1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 13.8 | 13.8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 1.72 | 1.72 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 3.40 | 3.14 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 18.9 | 18.7 | 0.16 | 19.1 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 71.3 | 71.3 | < 0.005 | < 0.005 | — | 71.6 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 6.23 | 75.0 | 81.2 | 0.65 | 0.02 | — | 102 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 18.7 | 225 | 244 | 1.95 | 0.05 | — | 307 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | 6.23 | 75.0 | 81.2 | 0.65 | 0.02 | — | 102 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 18.7 | 225 | 244 | 1.95 | 0.05 | — | 307 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 24.9 | 300 | 325 | 2.59 | 0.07 | — | 409 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1.03 | 12.4 | 13.4 | 0.11 | < 0.005 | — | 16.9 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.10 | 37.2 | 40.3 | 0.32 | 0.01 | — | 50.8 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.13 | 49.6 | 53.8 | 0.43 | 0.01 | — | 67.7 |

### 4.4.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 4.99 | 60.0 | 65.0 | 0.52 | 0.01 | — | 81.8 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 15.0 | 180 | 195 | 1.56 | 0.04 | — | 245 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 19.9 | 240 | 260 | 2.08 | 0.05 | — | 327 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 4.99 | 60.0 | 65.0 | 0.52 | 0.01 | — | 81.8 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | 15.0 | 180 | 195 | 1.56 | 0.04 | — | 245 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 19.9 | 240 | 260 | 2.08 | 0.05 | — | 327 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 0.83 | 9.93 | 10.8 | 0.09 | < 0.005 | — | 13.5 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2.48 | 29.8 | 32.3 | 0.26 | 0.01 | — | 40.6 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 3.30 | 39.7 | 43.0 | 0.34 | 0.01 | — | 54.2 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 344 | 0.00 | 344 | 34.4 | 0.00 | — | 1,203 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,438 | 0.00 | 1,438 | 144 | 0.00 | — | 5,030 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 344 | 0.00 | 344 | 34.4 | 0.00 | — | 1,203 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | 1,438 | 0.00 | 1,438 | 144 | 0.00 | — | 5,030 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 56.9 | 0.00 | 56.9 | 5.69 | 0.00 | — | 199 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 238 | 0.00 | 238 | 23.8 | 0.00 | — | 833 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |

### 4.5.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 344 | 0.00 | 344 | 34.4 | 0.00 | — | 1,203 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,438 | 0.00 | 1,438 | 144 | 0.00 | — | 5,030 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 344 | 0.00 | 344 | 34.4 | 0.00 | — | 1,203 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1,438 | 0.00 | 1,438 | 144 | 0.00 | — | 5,030 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 1,782 | 0.00 | 1,782 | 178 | 0.00 | — | 6,233 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 56.9 | 0.00 | 56.9 | 5.69 | 0.00 | — | 199 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 238 | 0.00 | 238 | 23.8 | 0.00 | — | 833 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 295 | 0.00 | 295 | 29.5 | 0.00 | — | 1,032 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 114 | 114 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 114 | 114 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 692 | 692 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 114 | 114 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 114 | 114 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency Generat | 14.5 | 13.2 | 59.0 | 33.6 | 0.06 | 1.94 | 0.00 | 1.94 | 1.94 | 0.00 | 1.94 | 0.00 | 6,750 | 6,750 | 0.27 | 0.05 | 0.00 | 6,772 |
| Total | 16.1 | 14.7 | 63.1 | 37.4 | 0.07 | 2.16 | 0.00 | 2.16 | 2.16 | 0.00 | 2.16 | 0.00 | 7,505 | 7,505 | 0.30 | 0.06 | 0.00 | 7,530 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Emergency Generator | 14.5 | 13.2 | 59.0 | 33.6 | 0.06 | 1.94 | 0.00 | 1.94 | 1.94 | 0.00 | 1.94 | 0.00 | 6,750 | 6,750 | 0.27 | 0.05 | 0.00 | 6,772 |
| Total | 16.1 | 14.7 | 63.1 | 37.4 | 0.07 | 2.16 | 0.00 | 2.16 | 2.16 | 0.00 | 2.16 | 0.00 | 7,505 | 7,505 | 0.30 | 0.06 | 0.00 | 7,530 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.04 | 0.04 | 0.10 | 0.09 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 17.1 | 17.1 | < 0.005 | < 0.005 | 0.00 | 17.2 |
| Emergency Generator | 0.36 | 0.33 | 1.48 | 0.84 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | 153 | 153 | 0.01 | < 0.005 | 0.00 | 154 |
| Total | 0.40 | 0.37 | 1.58 | 0.94 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | 170 | 170 | 0.01 | < 0.005 | 0.00 | 171 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency Generat | 14.5 | 13.2 | 59.0 | 33.6 | 0.06 | 1.94 | 0.00 | 1.94 | 1.94 | 0.00 | 1.94 | 0.00 | 6,750 | 6,750 | 0.27 | 0.05 | 0.00 | 6,772 |
| Total | 16.1 | 14.7 | 63.1 | 37.4 | 0.07 | 2.16 | 0.00 | 2.16 | 2.16 | 0.00 | 2.16 | 0.00 | 7,505 | 7,505 | 0.30 | 0.06 | 0.00 | 7,530 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 1.62 | 1.48 | 4.13 | 3.77 | 0.01 | 0.22 | 0.00 | 0.22 | 0.22 | 0.00 | 0.22 | 0.00 | 756 | 756 | 0.03 | 0.01 | 0.00 | 758 |
| Emergency Generator | 14.5 | 13.2 | 59.0 | 33.6 | 0.06 | 1.94 | 0.00 | 1.94 | 1.94 | 0.00 | 1.94 | 0.00 | 6,750 | 6,750 | 0.27 | 0.05 | 0.00 | 6,772 |
| Total | 16.1 | 14.7 | 63.1 | 37.4 | 0.07 | 2.16 | 0.00 | 2.16 | 2.16 | 0.00 | 2.16 | 0.00 | 7,505 | 7,505 | 0.30 | 0.06 | 0.00 | 7,530 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.04 | 0.04 | 0.10 | 0.09 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 17.1 | 17.1 | < 0.005 | < 0.005 | 0.00 | 17.2 |
| Emergency Generator | 0.36 | 0.33 | 1.48 | 0.84 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | 153 | 153 | 0.01 | < 0.005 | 0.00 | 154 |
| Total | 0.40 | 0.37 | 1.58 | 0.94 | < 0.005 | 0.05 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | 170 | 170 | 0.01 | < 0.005 | 0.00 | 171 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

| Vegetati | 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

## 5.9. 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 510 | 290 | 278 | 162,672 | 49,921 | 28,412 | 27,218 | 15,915,836 |
| Unrefrigerated Warehouse-No Rail | 243 | 120 | 113 | 75,418 | 22,930 | 11,365 | 10,667 | 7,126,999 |
| Unrefrigerated Warehouse-No Rail | 203 | 173 | 172 | 70,797 | 19,127 | 16,338 | 16,238 | 6,685,378 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 10,001 | 6,664 | 6,541 | 3,295,983 | 249,057 | 165,950 | 162,885 | 82,079,151 |
| Unrefrigerated Warehouse-No Rail | 438 | 204 | 191 | 134,859 | 41,410 | 19,260 | 18,022 | 12,740,123 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 510 | 290 | 278 | 162,672 | 49,921 | 28,412 | 27,218 | 15,915,836 |
| Unrefrigerated Warehouse-No Rail | 243 | 120 | 113 | 75,418 | 22,930 | 11,365 | 10,667 | 7,126,999 |
| Unrefrigerated Warehouse-No Rail | 203 | 173 | 172 | 70,797 | 19,127 | 16,338 | 16,238 | 6,685,378 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 10,001 | 6,664 | 6,541 | 3,295,983 | 249,057 | 165,950 | 162,885 | 82,079,151 |
| Unrefrigerated Warehouse-No Rail | 438 | 204 | 191 | 134,859 | 41,410 | 19,260 | 18,022 | 12,740,123 |

## 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) |
|---|---|---|---|---|
| 0 | 0.00 | 5,274,879 | 1,758,293 | 372,328 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

### 5.10.4. Landscape Equipment - Mitigated

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

# 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 13,741,551 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,496,443 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,496,443 | 261 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 1,377,829 | 261 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 3,103,405 | 261 | 0.0330 | 0.0040 | 0.00 |

## 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 13,741,551 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,496,443 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,496,443 | 261 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 1,377,829 | 261 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 3,103,405 | 261 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 3,253,063 | 15,600,109 |
| Unrefrigerated Warehouse-No Rail | 3,253,063 | 15,600,109 |
| Unrefrigerated Warehouse-No Rail | 3,253,063 | 15,600,109 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 3,253,063 | 15,600,109 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 2,602,450 | 12,480,087 |
| Unrefrigerated Warehouse-No Rail | 2,602,450 | 12,480,087 |
| Unrefrigerated Warehouse-No Rail | 2,602,450 | 12,480,087 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 2,602,450 | 12,480,087 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 638 | — |

| | | |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 992 | — |
| Unrefrigerated Warehouse-No Rail | 992 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 684 | — |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 638 | — |
| Unrefrigerated Warehouse-No Rail | 992 | — |
| Unrefrigerated Warehouse-No Rail | 992 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 684 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |

### 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |
| AQ-PM | 37.4 |

| | |
|---|---|
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |

| | |
|---|---|
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |
| Asthma ER Admissions | 15.7 |

| | |
|---|---|
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |
| Outdoor Workers | 16.7 |

| | |
|---|---|
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas. Assumes 2,062,500 kWh per year will be generated by solar. |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Operations: Refrigerants | As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively |

# 15718 Beaumont Heights Option B (Phase 4) Mitigated Detailed Report

## Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

| Data Field | Value |
|---|---|
| Project Name | 15718 Beaumont Heights Option B (Phase 4) Mitigated |
| Operational Year | 2032 |
| Lead Agency | — |
| Land Use Scale | Plan/community |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 25.8 |
| Location | 33.907491, -116.977595 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5627 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.30 |

## 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 1,000 | 1000sqft | 23.0 | 1,000,000 | 630,580 | — | — | Cold Storage |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,555 | 1000sqft | 35.7 | 1,554,868 | 630,580 | — | — | Non-Sort |
| Unrefrigerated Warehouse-No Rail | 1,555 | 1000sqft | 35.7 | 1,554,867 | 630,580 | — | — | Sort |
| Parking Lot | 6,025 | Space | 54.2 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 155 | Acre | 155 | 0.00 | 0.00 | — | — | — |
| User Defined Industrial | 5,183 | User Defined Unit | 0.00 | 0.00 | 0.00 | — | — | Passenger Vehicles |
| Unrefrigerated Warehouse-No Rail | 1,073 | 1000sqft | 24.6 | 1,073,156 | 630,580 | — | — | Warehousing |

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

| Sector | # | Measure Title |
|---|---|---|
| Water | W-7 | Adopt a Water Conservation Strategy |

# 2. Emissions Summary

### 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. | 263 | 244 | 496 | 1,259 | 6.63 | 11.8 | 426 | 438 | 11.3 | 110 | 121 | 2,663 | 725,100 | 727,762 | 283 | 71.4 | 2,316 | 758,420 |
| Mit. | 263 | 244 | 496 | 1,259 | 6.63 | 11.8 | 426 | 438 | 11.3 | 110 | 121 | 2,655 | 725,023 | 727,678 | 282 | 71.4 | 2,316 | 758,310 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unmit. | 221 | 205 | 514 | 856 | 6.44 | 11.4 | 426 | 438 | 11.0 | 110 | 121 | 2,663 | 706,154 | 708,817 | 283 | 71.7 | 1,053 | 738,314 |
| Mit. | 221 | 205 | 514 | 856 | 6.44 | 11.4 | 426 | 438 | 11.0 | 110 | 121 | 2,655 | 706,077 | 708,732 | 282 | 71.7 | 1,053 | 738,205 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 222 | 207 | 395 | 913 | 5.65 | 8.11 | 374 | 382 | 7.70 | 96.6 | 104 | 2,663 | 621,951 | 624,614 | 281 | 62.8 | 1,513 | 651,871 |
| Mit. | 222 | 207 | 395 | 913 | 5.65 | 8.11 | 374 | 382 | 7.70 | 96.6 | 104 | 2,655 | 621,874 | 624,529 | 280 | 62.8 | 1,513 | 651,762 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 40.5 | 37.8 | 72.1 | 167 | 1.03 | 1.48 | 68.2 | 69.7 | 1.40 | 17.6 | 19.0 | 441 | 102,971 | 103,412 | 46.5 | 10.4 | 250 | 107,925 |
| Mit. | 40.5 | 37.8 | 72.1 | 167 | 1.03 | 1.48 | 68.2 | 69.7 | 1.40 | 17.6 | 19.0 | 440 | 102,958 | 103,398 | 46.4 | 10.4 | 250 | 107,907 |
| % Reduced | — | — | — | — | — | — | — | — | — | — | — | < 0.5% | < 0.5% | < 0.5% | < 0.5% | < 0.5% | — | < 0.5% |

## 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 | 76.3 | 62.2 | 410 | 983 | 6.52 | 8.51 | 426 | 435 | 8.11 | 110 | 118 | — | 684,984 | 684,984 | 12.3 | 70.8 | 1,297 | 707,677 |
| Area | 166 | 163 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 28,796 | 28,796 | 3.64 | 0.44 | — | 29,018 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stationary | 21.5 | 19.6 | 84.2 | 49.9 | 0.09 | 2.88 | 0.00 | 2.88 | 2.88 | 0.00 | 2.88 | 0.00 | 10,007 | 10,007 | 0.40 | 0.08 | 0.00 | 10,040 |
| Total | 263 | 244 | 496 | 1,259 | 6.63 | 11.8 | 426 | 438 | 11.3 | 110 | 121 | 2,663 | 725,100 | 727,762 | 283 | 71.4 | 2,316 | 758,420 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 74.1 | 60.1 | 430 | 807 | 6.35 | 8.51 | 426 | 435 | 8.11 | 110 | 118 | — | 666,965 | 666,965 | 12.3 | 71.1 | 33.6 | 688,502 |
| Area | 125 | 125 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 28,796 | 28,796 | 3.64 | 0.44 | — | 29,018 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Stationary | 21.5 | 19.6 | 84.2 | 49.9 | 0.09 | 2.88 | 0.00 | 2.88 | 2.88 | 0.00 | 2.88 | 0.00 | 10,007 | 10,007 | 0.40 | 0.08 | 0.00 | 10,040 |
| Total | 221 | 205 | 514 | 856 | 6.44 | 11.4 | 426 | 438 | 11.0 | 110 | 121 | 2,663 | 706,154 | 708,817 | 283 | 71.7 | 1,053 | 738,314 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 66.2 | 53.7 | 382 | 751 | 5.62 | 7.44 | 374 | 381 | 7.10 | 96.6 | 104 | — | 590,763 | 590,763 | 10.9 | 62.3 | 494 | 610,087 |
| Area | 153 | 151 | 1.30 | 154 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 635 | 635 | 0.03 | 0.01 | — | 637 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 28,796 | 28,796 | 3.64 | 0.44 | — | 29,018 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Stationary | 2.94 | 2.68 | 11.5 | 6.83 | 0.01 | 0.39 | 0.00 | 0.39 | 0.39 | 0.00 | 0.39 | 0.00 | 1,371 | 1,371 | 0.06 | 0.01 | 0.00 | 1,375 |
| Total | 222 | 207 | 395 | 913 | 5.65 | 8.11 | 374 | 382 | 7.70 | 96.6 | 104 | 2,663 | 621,951 | 624,614 | 281 | 62.8 | 1,513 | 651,871 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 12.1 | 9.80 | 69.7 | 137 | 1.03 | 1.36 | 68.2 | 69.6 | 1.29 | 17.6 | 18.9 | — | 97,808 | 97,808 | 1.81 | 10.3 | 81.7 | 101,007 |
| Area | 27.9 | 27.5 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 4,767 | 4,767 | 0.60 | 0.07 | — | 4,804 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 6.11 | 64.0 | 70.1 | 0.63 | 0.02 | — | 90.7 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Waste | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 169 | 169 |
| Stationary | 0.54 | 0.49 | 2.10 | 1.25 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 227 | 227 | 0.01 | < 0.005 | 0.00 | 228 |
| Total | 40.5 | 37.8 | 72.1 | 167 | 1.03 | 1.48 | 68.2 | 69.7 | 1.40 | 17.6 | 19.0 | 441 | 102,971 | 103,412 | 46.5 | 10.4 | 250 | 107,925 |

## 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 | 76.3 | 62.2 | 410 | 983 | 6.52 | 8.51 | 426 | 435 | 8.11 | 110 | 118 | — | 684,984 | 684,984 | 12.3 | 70.8 | 1,297 | 707,677 |
| Area | 166 | 163 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 28,796 | 28,796 | 3.64 | 0.44 | — | 29,018 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 29.5 | 309 | 339 | 3.07 | 0.08 | — | 438 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Stationary | 21.5 | 19.6 | 84.2 | 49.9 | 0.09 | 2.88 | 0.00 | 2.88 | 2.88 | 0.00 | 2.88 | 0.00 | 10,007 | 10,007 | 0.40 | 0.08 | 0.00 | 10,040 |
| Total | 263 | 244 | 496 | 1,259 | 6.63 | 11.8 | 426 | 438 | 11.3 | 110 | 121 | 2,655 | 725,023 | 727,678 | 282 | 71.4 | 2,316 | 758,310 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 74.1 | 60.1 | 430 | 807 | 6.35 | 8.51 | 426 | 435 | 8.11 | 110 | 118 | — | 666,965 | 666,965 | 12.3 | 71.1 | 33.6 | 688,502 |
| Area | 125 | 125 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 28,796 | 28,796 | 3.64 | 0.44 | — | 29,018 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 29.5 | 309 | 339 | 3.07 | 0.08 | — | 438 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stationa | 21.5 | 19.6 | 84.2 | 49.9 | 0.09 | 2.88 | 0.00 | 2.88 | 2.88 | 0.00 | 2.88 | 0.00 | 10,007 | 10,007 | 0.40 | 0.08 | 0.00 | 10,040 |
| Total | 221 | 205 | 514 | 856 | 6.44 | 11.4 | 426 | 438 | 11.0 | 110 | 121 | 2,655 | 706,077 | 708,732 | 282 | 71.7 | 1,053 | 738,205 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 66.2 | 53.7 | 382 | 751 | 5.62 | 7.44 | 374 | 381 | 7.10 | 96.6 | 104 | — | 590,763 | 590,763 | 10.9 | 62.3 | 494 | 610,087 |
| Area | 153 | 151 | 1.30 | 154 | 0.01 | 0.27 | — | 0.27 | 0.21 | — | 0.21 | — | 635 | 635 | 0.03 | 0.01 | — | 637 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 28,796 | 28,796 | 3.64 | 0.44 | — | 29,018 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 29.5 | 309 | 339 | 3.07 | 0.08 | — | 438 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Stationary | 2.94 | 2.68 | 11.5 | 6.83 | 0.01 | 0.39 | 0.00 | 0.39 | 0.39 | 0.00 | 0.39 | 0.00 | 1,371 | 1,371 | 0.06 | 0.01 | 0.00 | 1,375 |
| Total | 222 | 207 | 395 | 913 | 5.65 | 8.11 | 374 | 382 | 7.70 | 96.6 | 104 | 2,655 | 621,874 | 624,529 | 280 | 62.8 | 1,513 | 651,762 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Mobile | 12.1 | 9.80 | 69.7 | 137 | 1.03 | 1.36 | 68.2 | 69.6 | 1.29 | 17.6 | 18.9 | — | 97,808 | 97,808 | 1.81 | 10.3 | 81.7 | 101,007 |
| Area | 27.9 | 27.5 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Energy | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 4,767 | 4,767 | 0.60 | 0.07 | — | 4,804 |
| Water | — | — | — | — | — | — | — | — | — | — | — | 4.89 | 51.2 | 56.1 | 0.51 | 0.01 | — | 72.6 |
| Waste | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |
| Refrig. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 169 | 169 |
| Stationary | 0.54 | 0.49 | 2.10 | 1.25 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 227 | 227 | 0.01 | < 0.005 | 0.00 | 228 |
| Total | 40.5 | 37.8 | 72.1 | 167 | 1.03 | 1.48 | 68.2 | 69.7 | 1.40 | 17.6 | 19.0 | 440 | 102,958 | 103,398 | 46.4 | 10.4 | 250 | 107,907 |

# 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 5.96 | 3.37 | 134 | 39.4 | 1.47 | 2.81 | 64.1 | 66.9 | 2.69 | 17.2 | 19.9 | — | 156,703 | 156,703 | 2.27 | 22.6 | 359 | 163,848 |
| Unrefrigerated Warehouse-No Rail | 9.23 | 4.41 | 240 | 54.4 | 2.73 | 4.96 | 107 | 112 | 4.74 | 28.5 | 33.3 | — | 292,294 | 292,294 | 4.39 | 43.9 | 547 | 306,039 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 61.1 | 54.4 | 35.4 | 890 | 2.33 | 0.74 | 256 | 256 | 0.68 | 64.5 | 65.2 | — | 235,986 | 235,986 | 5.59 | 4.27 | 391 | 237,790 |
| Total | 76.3 | 62.2 | 410 | 983 | 6.52 | 8.51 | 426 | 435 | 8.11 | 110 | 118 | — | 684,984 | 684,984 | 12.3 | 70.8 | 1,297 | 707,677 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 5.91 | 3.32 | 140 | 39.2 | 1.47 | 2.81 | 64.1 | 66.9 | 2.69 | 17.2 | 19.9 | — | 156,719 | 156,719 | 2.27 | 22.6 | 9.30 | 163,518 |
| Unrefrigerated Warehouse-No Rail | 9.14 | 4.32 | 251 | 54.4 | 2.73 | 4.96 | 107 | 112 | 4.74 | 28.5 | 33.3 | — | 292,327 | 292,327 | 4.39 | 43.9 | 14.2 | 305,543 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 59.1 | 52.5 | 39.4 | 713 | 2.15 | 0.74 | 256 | 256 | 0.68 | 64.5 | 65.2 | — | 217,918 | 217,918 | 5.67 | 4.60 | 10.1 | 219,441 |
| Total | 74.1 | 60.1 | 430 | 807 | 6.35 | 8.51 | 426 | 435 | 8.11 | 110 | 118 | — | 666,965 | 666,965 | 12.3 | 71.1 | 33.6 | 688,502 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.95 | 0.53 | 22.6 | 6.23 | 0.23 | 0.45 | 10.1 | 10.5 | 0.43 | 2.70 | 3.13 | — | 22,663 | 22,663 | 0.33 | 3.27 | 22.4 | 23,667 |
| Unrefrigerated Warehouse-No Rail | 1.46 | 0.69 | 40.4 | 8.63 | 0.43 | 0.79 | 16.8 | 17.5 | 0.75 | 4.48 | 5.23 | — | 42,178 | 42,178 | 0.63 | 6.34 | 34.1 | 44,118 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 9.67 | 8.58 | 6.69 | 122 | 0.36 | 0.12 | 41.4 | 41.5 | 0.11 | 10.4 | 10.6 | — | 32,967 | 32,967 | 0.85 | 0.70 | 25.3 | 33,223 |
| Total | 12.1 | 9.80 | 69.7 | 137 | 1.03 | 1.36 | 68.2 | 69.6 | 1.29 | 17.6 | 18.9 | — | 97,808 | 97,808 | 1.81 | 10.3 | 81.7 | 101,007 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 5.96 | 3.37 | 134 | 39.4 | 1.47 | 2.81 | 64.1 | 66.9 | 2.69 | 17.2 | 19.9 | — | 156,703 | 156,703 | 2.27 | 22.6 | 359 | 163,848 |
| Unrefrigerated Warehouse-No Rail | 9.23 | 4.41 | 240 | 54.4 | 2.73 | 4.96 | 107 | 112 | 4.74 | 28.5 | 33.3 | — | 292,294 | 292,294 | 4.39 | 43.9 | 547 | 306,039 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 61.1 | 54.4 | 35.4 | 890 | 2.33 | 0.74 | 256 | 256 | 0.68 | 64.5 | 65.2 | — | 235,986 | 235,986 | 5.59 | 4.27 | 391 | 237,790 |
| Total | 76.3 | 62.2 | 410 | 983 | 6.52 | 8.51 | 426 | 435 | 8.11 | 110 | 118 | — | 684,984 | 684,984 | 12.3 | 70.8 | 1,297 | 707,677 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 5.91 | 3.32 | 140 | 39.2 | 1.47 | 2.81 | 64.1 | 66.9 | 2.69 | 17.2 | 19.9 | — | 156,719 | 156,719 | 2.27 | 22.6 | 9.30 | 163,518 |
| Unrefrigerated Warehouse-No Rail | 9.14 | 4.32 | 251 | 54.4 | 2.73 | 4.96 | 107 | 112 | 4.74 | 28.5 | 33.3 | — | 292,327 | 292,327 | 4.39 | 43.9 | 14.2 | 305,543 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 59.1 | 52.5 | 39.4 | 713 | 2.15 | 0.74 | 256 | 256 | 0.68 | 64.5 | 65.2 | — | 217,918 | 217,918 | 5.67 | 4.60 | 10.1 | 219,441 |
| Total | 74.1 | 60.1 | 430 | 807 | 6.35 | 8.51 | 426 | 435 | 8.11 | 110 | 118 | — | 666,965 | 666,965 | 12.3 | 71.1 | 33.6 | 688,502 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.95 | 0.53 | 22.6 | 6.23 | 0.23 | 0.45 | 10.1 | 10.5 | 0.43 | 2.70 | 3.13 | — | 22,663 | 22,663 | 0.33 | 3.27 | 22.4 | 23,667 |
| Unrefrigerated Warehouse-No Rail | 1.46 | 0.69 | 40.4 | 8.63 | 0.43 | 0.79 | 16.8 | 17.5 | 0.75 | 4.48 | 5.23 | — | 42,178 | 42,178 | 0.63 | 6.34 | 34.1 | 44,118 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 9.67 | 8.58 | 6.69 | 122 | 0.36 | 0.12 | 41.4 | 41.5 | 0.11 | 10.4 | 10.6 | — | 32,967 | 32,967 | 0.85 | 0.70 | 25.3 | 33,223 |
| Total | 12.1 | 9.80 | 69.7 | 137 | 1.03 | 1.36 | 68.2 | 69.6 | 1.29 | 17.6 | 18.9 | — | 97,808 | 97,808 | 1.81 | 10.3 | 81.7 | 101,007 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 14,528 | 14,528 | 1.84 | 0.22 | — | 14,641 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 12,789 | 12,789 | 1.62 | 0.20 | — | 12,888 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 1,478 | 1,478 | 0.19 | 0.02 | — | 1,490 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 28,796 | 28,796 | 3.64 | 0.44 | — | 29,018 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 14,528 | 14,528 | 1.84 | 0.22 | — | 14,641 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 12,789 | 12,789 | 1.62 | 0.20 | — | 12,888 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 1,478 | 1,478 | 0.19 | 0.02 | — | 1,490 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 28,796 | 28,796 | 3.64 | 0.44 | — | 29,018 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,405 | 2,405 | 0.30 | 0.04 | — | 2,424 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,117 | 2,117 | 0.27 | 0.03 | — | 2,134 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 245 | 245 | 0.03 | < 0.005 | — | 247 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 4,767 | 4,767 | 0.60 | 0.07 | — | 4,804 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated | — | — | — | — | — | — | — | — | — | — | — | — | 14,528 | 14,528 | 1.84 | 0.22 | — | 14,641 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 12,789 | 12,789 | 1.62 | 0.20 | — | 12,888 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 1,478 | 1,478 | 0.19 | 0.02 | — | 1,490 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 28,796 | 28,796 | 3.64 | 0.44 | — | 29,018 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 14,528 | 14,528 | 1.84 | 0.22 | — | 14,641 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 12,789 | 12,789 | 1.62 | 0.20 | — | 12,888 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 1,478 | 1,478 | 0.19 | 0.02 | — | 1,490 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 28,796 | 28,796 | 3.64 | 0.44 | — | 29,018 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,405 | 2,405 | 0.30 | 0.04 | — | 2,424 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | 2,117 | 2,117 | 0.27 | 0.03 | — | 2,134 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | — | 245 | 245 | 0.03 | < 0.005 | — | 247 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | 4,767 | 4,767 | 0.60 | 0.07 | — | 4,804 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

### 4.2.4. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Unrefrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | — | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |

## 4.3. Area Emissions by Source

### 4.3.1. 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 | 112 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 40.1 | 37.0 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Total | 166 | 163 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 112 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 125 | 125 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 20.4 | 20.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 2.53 | 2.53 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 5.02 | 4.63 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |
| Total | 27.9 | 27.5 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |

### 4.3.2. 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 | 112 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 40.1 | 37.0 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Total | 166 | 163 | 1.90 | 225 | 0.01 | 0.40 | — | 0.40 | 0.30 | — | 0.30 | — | 927 | 927 | 0.04 | 0.01 | — | 930 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 112 | 112 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 13.9 | 13.9 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total | 125 | 125 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Consumer Products | 20.4 | 20.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Architectural Coatings | 2.53 | 2.53 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Landscape Equipment | 5.02 | 4.63 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 27.9 | 27.5 | 0.24 | 28.2 | < 0.005 | 0.05 | — | 0.05 | 0.04 | — | 0.04 | — | 105 | 105 | < 0.005 | < 0.005 | — | 105 |

## 4.4. Water Emissions by Land Use

### 4.4.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 9.22 | 96.6 | 106 | 0.96 | 0.02 | — | 137 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 27.7 | 290 | 318 | 2.87 | 0.07 | — | 411 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | 9.22 | 96.6 | 106 | 0.96 | 0.02 | — | 137 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 27.7 | 290 | 318 | 2.87 | 0.07 | — | 411 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 36.9 | 387 | 423 | 3.83 | 0.10 | — | 548 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1.53 | 16.0 | 17.5 | 0.16 | < 0.005 | — | 22.7 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 4.58 | 48.0 | 52.6 | 0.48 | 0.01 | — | 68.0 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 6.11 | 64.0 | 70.1 | 0.63 | 0.02 | — | 90.7 |

### 4.4.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 7.38 | 77.3 | 84.7 | 0.77 | 0.02 | — | 110 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 22.1 | 232 | 254 | 2.30 | 0.06 | — | 329 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 29.5 | 309 | 339 | 3.07 | 0.08 | — | 438 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 7.38 | 77.3 | 84.7 | 0.77 | 0.02 | — | 110 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | 22.1 | 232 | 254 | 2.30 | 0.06 | — | 329 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 29.5 | 309 | 339 | 3.07 | 0.08 | — | 438 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 1.22 | 12.8 | 14.0 | 0.13 | < 0.005 | — | 18.1 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 3.67 | 38.4 | 42.1 | 0.38 | 0.01 | — | 54.4 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 4.89 | 51.2 | 56.1 | 0.51 | 0.01 | — | 72.6 |

## 4.5. Waste Emissions by Land Use

### 4.5.1. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 507 | 0.00 | 507 | 50.6 | 0.00 | — | 1,772 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2,119 | 0.00 | 2,119 | 212 | 0.00 | — | 7,414 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 507 | 0.00 | 507 | 50.6 | 0.00 | — | 1,772 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unrefrigerated Warehouse-No | — | — | — | — | — | — | — | — | — | — | — | 2,119 | 0.00 | 2,119 | 212 | 0.00 | — | 7,414 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 83.9 | 0.00 | 83.9 | 8.38 | 0.00 | — | 293 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 351 | 0.00 | 351 | 35.1 | 0.00 | — | 1,227 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |

### 4.5.2. 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 507 | 0.00 | 507 | 50.6 | 0.00 | — | 1,772 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2,119 | 0.00 | 2,119 | 212 | 0.00 | — | 7,414 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 507 | 0.00 | 507 | 50.6 | 0.00 | — | 1,772 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 2,119 | 0.00 | 2,119 | 212 | 0.00 | — | 7,414 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 2,626 | 0.00 | 2,626 | 262 | 0.00 | — | 9,186 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 83.9 | 0.00 | 83.9 | 8.38 | 0.00 | — | 293 |
| Unrefrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | 351 | 0.00 | 351 | 35.1 | 0.00 | — | 1,227 |
| Parking Lot | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Other Asphalt Surfaces | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| User Defined Industrial | — | — | — | — | — | — | — | — | — | — | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 |
| Total | — | — | — | — | — | — | — | — | — | — | — | 435 | 0.00 | 435 | 43.4 | 0.00 | — | 1,521 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 169 | 169 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 169 | 169 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerated | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,019 | 1,019 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Refrigerated Warehouse-No Rail | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 169 | 169 |
| Total | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 169 | 169 |

## 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency Generat | 19.3 | 17.6 | 78.7 | 44.9 | 0.08 | 2.59 | 0.00 | 2.59 | 2.59 | 0.00 | 2.59 | 0.00 | 9,000 | 9,000 | 0.36 | 0.07 | 0.00 | 9,030 |
| Total | 21.5 | 19.6 | 84.2 | 49.9 | 0.09 | 2.88 | 0.00 | 2.88 | 2.88 | 0.00 | 2.88 | 0.00 | 10,007 | 10,007 | 0.40 | 0.08 | 0.00 | 10,040 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Emergency Generator | 19.3 | 17.6 | 78.7 | 44.9 | 0.08 | 2.59 | 0.00 | 2.59 | 2.59 | 0.00 | 2.59 | 0.00 | 9,000 | 9,000 | 0.36 | 0.07 | 0.00 | 9,030 |
| Total | 21.5 | 19.6 | 84.2 | 49.9 | 0.09 | 2.88 | 0.00 | 2.88 | 2.88 | 0.00 | 2.88 | 0.00 | 10,007 | 10,007 | 0.40 | 0.08 | 0.00 | 10,040 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.05 | 0.05 | 0.14 | 0.13 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 22.8 | 22.8 | < 0.005 | < 0.005 | 0.00 | 22.9 |
| Emergency Generator | 0.48 | 0.44 | 1.97 | 1.12 | < 0.005 | 0.06 | 0.00 | 0.06 | 0.06 | 0.00 | 0.06 | 0.00 | 204 | 204 | 0.01 | < 0.005 | 0.00 | 205 |
| Total | 0.54 | 0.49 | 2.10 | 1.25 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 227 | 227 | 0.01 | < 0.005 | 0.00 | 228 |

### 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Emergency Generat | 19.3 | 17.6 | 78.7 | 44.9 | 0.08 | 2.59 | 0.00 | 2.59 | 2.59 | 0.00 | 2.59 | 0.00 | 9,000 | 9,000 | 0.36 | 0.07 | 0.00 | 9,030 |
| Total | 21.5 | 19.6 | 84.2 | 49.9 | 0.09 | 2.88 | 0.00 | 2.88 | 2.88 | 0.00 | 2.88 | 0.00 | 10,007 | 10,007 | 0.40 | 0.08 | 0.00 | 10,040 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 2.16 | 1.97 | 5.50 | 5.02 | 0.01 | 0.29 | 0.00 | 0.29 | 0.29 | 0.00 | 0.29 | 0.00 | 1,007 | 1,007 | 0.04 | 0.01 | 0.00 | 1,011 |
| Emergency Generator | 19.3 | 17.6 | 78.7 | 44.9 | 0.08 | 2.59 | 0.00 | 2.59 | 2.59 | 0.00 | 2.59 | 0.00 | 9,000 | 9,000 | 0.36 | 0.07 | 0.00 | 9,030 |
| Total | 21.5 | 19.6 | 84.2 | 49.9 | 0.09 | 2.88 | 0.00 | 2.88 | 2.88 | 0.00 | 2.88 | 0.00 | 10,007 | 10,007 | 0.40 | 0.08 | 0.00 | 10,040 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fire Pump | 0.05 | 0.05 | 0.14 | 0.13 | < 0.005 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 22.8 | 22.8 | < 0.005 | < 0.005 | 0.00 | 22.9 |
| Emergency Generator | 0.48 | 0.44 | 1.97 | 1.12 | < 0.005 | 0.06 | 0.00 | 0.06 | 0.06 | 0.00 | 0.06 | 0.00 | 204 | 204 | 0.01 | < 0.005 | 0.00 | 205 |
| Total | 0.54 | 0.49 | 2.10 | 1.25 | < 0.005 | 0.07 | 0.00 | 0.07 | 0.07 | 0.00 | 0.07 | 0.00 | 227 | 227 | 0.01 | < 0.005 | 0.00 | 228 |

## 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

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

| Vegetati | 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

## 5.9. 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 |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 752 | 428 | 410 | 239,753 | 73,576 | 41,876 | 40,114 | 23,457,420 |
| Unrefrigerated Warehouse-No Rail | 358 | 177 | 166 | 111,154 | 33,795 | 16,751 | 15,722 | 10,504,070 |
| Unrefrigerated Warehouse-No Rail | 299 | 255 | 253 | 104,344 | 28,191 | 24,079 | 23,933 | 9,853,184 |
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 14,740 | 9,822 | 9,640 | 4,857,757 | 367,071 | 244,585 | 240,067 | 120,971,673 |
| Unrefrigerated Warehouse-No Rail | 646 | 300 | 281 | 198,761 | 61,031 | 28,387 | 26,562 | 18,776,929 |

### 5.9.2. Mitigated

| Land Use Type | Trips/Weekday | Trips/Saturday | Trips/Sunday | Trips/Year | VMT/Weekday | VMT/Saturday | VMT/Sunday | VMT/Year |
|---|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 752 | 428 | 410 | 239,753 | 73,576 | 41,876 | 40,114 | 23,457,420 |
| Unrefrigerated Warehouse-No Rail | 358 | 177 | 166 | 111,154 | 33,795 | 16,751 | 15,722 | 10,504,070 |
| Unrefrigerated Warehouse-No Rail | 299 | 255 | 253 | 104,344 | 28,191 | 24,079 | 23,933 | 9,853,184 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Parking Lot | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| User Defined Industrial | 14,740 | 9,822 | 9,640 | 4,857,757 | 367,071 | 244,585 | 240,067 | 120,971,673 |
| Unrefrigerated Warehouse-No Rail | 646 | 300 | 281 | 198,761 | 61,031 | 28,387 | 26,562 | 18,776,929 |

## 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) |
|---|---|---|---|---|
| 0 | 0.00 | 7,774,337 | 2,591,446 | 546,674 |

### 5.10.3. Landscape Equipment

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

### 5.10.4. Landscape Equipment - Mitigated

| Season | Unit | Value |
|---|---|---|
| Snow Days | day/yr | 0.00 |
| Summer Days | day/yr | 250 |

# 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 20,333,867 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 6,653,550 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 6,653,550 | 261 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 2,069,148 | 261 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,592,221 | 261 | 0.0330 | 0.0040 | 0.00 |

## 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) |
|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | 20,333,867 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 6,653,550 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 6,653,550 | 261 | 0.0330 | 0.0040 | 0.00 |
| Parking Lot | 2,069,148 | 261 | 0.0330 | 0.0040 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| User Defined Industrial | 0.00 | 261 | 0.0330 | 0.0040 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,592,221 | 261 | 0.0330 | 0.0040 | 0.00 |

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 4,813,712 | 19,314,808 |
| Unrefrigerated Warehouse-No Rail | 4,813,712 | 19,314,808 |
| Unrefrigerated Warehouse-No Rail | 4,813,712 | 19,314,808 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 4,813,712 | 19,314,808 |

### 5.12.2. Mitigated

| Land Use | Indoor Water (gal/year) | Outdoor Water (gal/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 3,850,970 | 15,451,846 |
| Unrefrigerated Warehouse-No Rail | 3,850,970 | 15,451,846 |
| Unrefrigerated Warehouse-No Rail | 3,850,970 | 15,451,846 |
| Parking Lot | 0.00 | 0.00 |
| Other Asphalt Surfaces | 0.00 | 0.00 |
| User Defined Industrial | 0.00 | 0.00 |
| Unrefrigerated Warehouse-No Rail | 3,850,970 | 15,451,846 |

## 5.13. Operational Waste Generation

### 5.13.1. Unmitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 940 | — |

| | | |
|---|---|---|
| Unrefrigerated Warehouse-No Rail | 1,462 | — |
| Unrefrigerated Warehouse-No Rail | 1,462 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 1,009 | — |

### 5.13.2. Mitigated

| Land Use | Waste (ton/year) | Cogeneration (kWh/year) |
|---|---|---|
| Refrigerated Warehouse-No Rail | 940 | — |
| Unrefrigerated Warehouse-No Rail | 1,462 | — |
| Unrefrigerated Warehouse-No Rail | 1,462 | — |
| Parking Lot | 0.00 | — |
| Other Asphalt Surfaces | 0.00 | — |
| User Defined Industrial | 0.00 | — |
| Unrefrigerated Warehouse-No Rail | 1,009 | — |

## 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 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 |
|---|---|---|---|---|---|---|---|
| Refrigerated Warehouse-No Rail | Cold storage | User Defined | 150 | 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 |
|---|---|---|---|---|---|---|
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |
| Fire Pump | Diesel | 1.00 | 1.00 | 50.0 | 300 | 0.73 |
| Emergency Generator | Diesel | 1.00 | 1.00 | 50.0 | 2,680 | 0.73 |

### 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 | 31.4 | annual days of extreme heat |
| Extreme Precipitation | 5.35 | annual days with precipitation above 20 mm |
| Sea Level Rise | — | meters of inundation depth |
| Wildfire | 24.3 | 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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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 | 4 | 0 | 0 | N/A |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 0 | 0 | N/A |
| Wildfire | 1 | 0 | 0 | N/A |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 0 | 0 | 0 | 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 | 4 | 1 | 1 | 4 |
| Extreme Precipitation | N/A | N/A | N/A | N/A |
| Sea Level Rise | 1 | 1 | 1 | 2 |
| Wildfire | 1 | 1 | 1 | 2 |
| Flooding | N/A | N/A | N/A | N/A |
| Drought | N/A | N/A | N/A | N/A |
| Snowpack Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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 | 97.6 |

| | |
|---|---|
| AQ-PM | 37.4 |
| AQ-DPM | 2.85 |
| Drinking Water | 58.9 |
| Lead Risk Housing | 0.37 |
| Pesticides | 24.0 |
| Toxic Releases | 25.1 |
| Traffic | 80.7 |
| Effect Indicators | — |
| CleanUp Sites | 17.1 |
| Groundwater | 60.1 |
| Haz Waste Facilities/Generators | 68.1 |
| Impaired Water Bodies | 12.5 |
| Solid Waste | 95.1 |
| Sensitive Population | — |
| Asthma | 81.6 |
| Cardio-vascular | 93.4 |
| Low Birth Weights | — |
| Socioeconomic Factor Indicators | — |
| Education | 19.8 |
| Housing | 30.2 |
| Linguistic | 9.46 |
| Poverty | 30.3 |
| Unemployment | 94.3 |

## 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 | 76.13242654 |
| Employed | 0.269472604 |
| Median HI | 29.16720133 |
| Education | — |
| Bachelor's or higher | 50.41704093 |
| High school enrollment | 100 |
| Preschool enrollment | 54.79276274 |
| Transportation | — |
| Auto Access | 38.61157449 |
| Active commuting | 50.49403311 |
| Social | — |
| 2-parent households | 77.3643013 |
| Voting | 99.70486334 |
| Neighborhood | — |
| Alcohol availability | 93.750802 |
| Park access | 16.88694983 |
| Retail density | 8.456306942 |
| Supermarket access | 22.39189016 |
| Tree canopy | 6.172205826 |
| Housing | — |
| Homeownership | 97.18978571 |
| Housing habitability | 89.87552932 |
| Low-inc homeowner severe housing cost burden | 67.34248685 |
| Low-inc renter severe housing cost burden | 68.75401001 |
| Uncrowded housing | 96.93314513 |
| Health Outcomes | — |
| Insured adults | 55.46002823 |
| Arthritis | 0.0 |

| | |
|---|---|
| Asthma ER Admissions | 15.7 |
| 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 | 12.4 |
| Cognitively Disabled | 11.3 |
| Physically  Disabled | 0.6 |
| Heart Attack ER Admissions | 0.5 |
| 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 | 7.3 |
| SLR Inundation Area | 0.0 |
| Children | 99.4 |
| Elderly | 0.1 |
| English Speaking | 72.8 |
| Foreign-born | 11.0 |

| | |
|---|---|
| Outdoor Workers | 16.7 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 78.5 |
| Traffic Density | 66.8 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 68.2 |
| Other Decision Support | — |
| 2016 Voting | 99.5 |

## 7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---|
| CalEnviroScreen 4.0 Score for Project Location (a) | 67.0 |
| Healthy Places Index Score for Project Location (b) | 33.0 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | No |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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 | Based on provided site plan |
| Operations: Vehicle Data | Trip Characteristics based on information provided in the Traffic Analysis |
| Operations: Fleet Mix | Passenger Car Mix estimated based on CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, MCY). Truck Fleet Mix based on 2, 3 and 4 axle trucks |
| Operations: Architectural Coatings | SCAQMD Rule 1113 |
| Operations: Energy Use | The Project will not utilize Natural Gas. Assumes 2,887,500 kWh per year will be generated by solar. |
| Operations: Water and Waste Water | indoor and outdoor water usage based on WSA Report |
| Operations: Refrigerants | As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively |

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