



Appendix G: Greenhouse Gas Emissions Assessment

Greenhouse Gas Emissions Assessment

KPC Coachella Specific Plan

City of Coachella, California

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LIST OF ABBREVIATED TERMS

AB	Assembly Bill
CARB	California Air Resource Board
CCR	California Code of Regulations
CalEEMod	California Emissions Estimator Model
CEQA	California Environmental Quality Act
CALGreen Code	California Green Building Standards Code
CPUC	California Public Utilities Commission
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
CFC	Chlorofluorocarbon
CCSP	Climate Change Scoping Plan
cy	cubic yard
FCAA	Federal Clean Air Act
FR	Federal Register
GHG	greenhouse gas
HCFC	Hydrochlorofluorocarbon
HFC	Hydrofluorocarbon
LCFS	Low Carbon Fuel Standard
CH ₄	Methane
MMTCO ₂ e	million metric tons of carbon dioxide equivalent
MTCO ₂ e	metric tons of carbon dioxide equivalent
NHTSA	National Highway Traffic Safety Administration
NF ₃	nitrogen trifluoride
N ₂ O	nitrous oxide
PFC	Perfluorocarbon
PPP	Plans, Programs, and Policies
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SB	Senate Bill
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SCAG	Southern California Association of Government
Sf	square foot
SF ₆	sulfur hexafluoride
TAC	toxic air contaminants
U.S. EPA	United States Environmental Protection Agency

1 INTRODUCTION

This report documents the results of a Greenhouse Gas (GHG) Emissions Assessment completed for the KPC Coachella Specific Plan project (Project). The purpose of this GHG Emissions Assessment is to evaluate the potential construction and operational emissions associated with the Project and determine the level of impact the Project would have on the environment.

1.1 Project Location

The Project site is approximately three miles east of the City of Coachella (City) center in the foothills of the Little San Bernardino Mountains, with views across the Coachella Valley to the San Jacinto and Santa Rosa Mountains. The Project site is bounded by the Little San Bernardino Mountains to the north, the City of Indio to the northwest, Interstate 10 (I-10) and the City of Coachella to the south and west, and unincorporated Riverside County to the east; see [Exhibit 1: Regional Vicinity](#) and [Exhibit 2: Site Vicinity](#).

1.2 Project Description

The Project site is approximately 2,807 (conceptual)¹ acres on an undisturbed, open, hilly, and undeveloped desert area with minimal vegetation, except for small native trees, shrubs, and annual grassland.

The KPC Coachella Specific Plan is a new master planned community located at the eastern entrance to the City. This 2,807-acre (conceptual) Project would provide a mixture of land uses intended to create a vibrant, cohesive entrance to the City, with five villages (A-E) and neighborhoods that are unique, yet compatible with, surrounding existing and planned neighboring areas. The Project would provide new additional commercial, residential, educational, employment, and recreational opportunities for residents and visitors within the City. A proposed major hotel and performing arts amphitheater is anticipated to be a regional attractor, attracting local and regional visitors.

The KPC Coachella Specific Plan proposes the following main land uses, see [Exhibit 3: Conceptual Site Plan](#) and [Exhibit 4: Phasing Plan](#).

- A mixture of residential product types, including an active adult/senior-oriented village, totaling approximately 9,536 dwelling units;
- Approximately 305 acres of commercial areas, which include mixed-use, entertainment center and performing arts theater, entertainment venue, and hotel rooms;
- A college/university overlay to allow for institutions of higher learning with an emphasis on healthcare;
- Approximately 71 acres of school uses (3 elementary schools and 1 middle school);
- Approximately 395 acres of parks, greenways, and amenity centers;
- Approximately 179 acres of circulation uses, including arterials, major, and secondary roadways;
- Approximately 68 acres of Agricultural Production areas;
- Approximately 754 acres of natural open space, including drainage channels and trails;
- A potential multi-story high-rise building; and

¹ Approximately 91 acres in the central portion of the Project area are owned by others and are designated as "Not a Part" on the land use plan for the Project.

- Approximately 91 ‘not a part’ acres²

The Project proposes two connection points to the existing roadways within the City. The main entry into the Project would be via the Avenue 50 and Interstate 10 interchange directly to the south. Additionally, the extension of Vista Del Norte from the west would provide access to Dillon Road and the rest of the City. Table 1: Proposed Land Uses shows the summary of the proposed land uses and attributed areas.

Table 1: Proposed Land Uses			
Land Use	Quantity	Units	Planning Area
Phase 1			
Multi-family Mid-Rise	106	DU	B-1
Shopping Center	175	TSF	
General Office	58	TSF	
Hotel	375	Rooms	B-2
General Office	100	TSF	
Multi-family Mid-Rise	96	DU	B-3
Shopping Center	160	TSF	
General Office	53	TSF	
Multi-family Mid-Rise	102	DU	B-4
Shopping Center	168	TSF	
General Office	56	TSF	
Multi-family Mid-Rise	45	DU	B-7
Shopping Center	74	TSF	
General Office	25	TSF	
Park	52	Acre	OS-6
Park	38	Acre	OS-7
Phase 2			
Single Family	29	DU	A-6
Single Family	500	DU	A-7
Multi-family Low-Rise	230	DU	A-8
School	275	Students	A-9
Multi-family Low-Rise	242	DU	A-10
Multi-family Mid-Rise	419	DU	A-11
Single Family Very Low	16	DU	A-12
Theater	5	Acre	C-1
Park	9	Acre	OS-5
Phase 3			
Single Family	160	DU	A-1
Single Family	49	DU	A-2
School	141	Student	A-3
Single Family	122	DU	A-4
Multi-family Low-Rise	510	DU	A-5
Park	34	Acre	OS-1
Park	26	Acre	OS-2
Park	15	Acre	OS-3
Park	14	Acre	OS-4
Phase 4			

² Approximately 91 acres in the central portion of the Project area are owned by others and are designated as “Not a Part” on the land use plan for the Project. These three areas are identified in **Exhibit 3: Land Use Plan** and **Table 1: Plan Areas Summary**.

Table 1: Proposed Land Uses			
Land Use	Quantity	Units	Planning Area
Multi-family Mid-Rise	236	DU	B-5
Shopping Center	391	TSF	
General Office	130	TSF	
Multi-family Mid-Rise	222	DU	B-6
Shopping Center	368	TSF	
General Office	123	TSF	
Multi-family Mid-Rise	1,265	DU	B-8
Multi-family Mid-Rise	309	DU	B-9
Park	19	Acre	OS-8
Park	14	Acre	OS-9
Park	5	Acre	OS-10
Phase 5			
Multi-family Low-Rise	321	DU	C-2
Single Family	112	DU	C-3
Multi-family Mid-Rise	17	DU	C-4
Shopping Center	28	TSF	
General Office	9	TSF	
Multi-family Low-Rise	78	DU	C-5
School	1,544	Student	C-6
Multi-family Low-Rise	500	DU	C-7
Single Family	285	DU	D-1
Condo	544	DU	D-2
Condo	362	DU	D-3
Multi-family Low-Rise	432	DU	D-4
Condo	550	DU	D-5
Single Family	253	DU	D-6
Single Family	247	DU	D-7
Multi-family Mid-Rise	21	DU	D-8
Shopping Center	35	TSF	
General Office	12	TSF	
Park	52	Acre	OS-11
Park	11	Acre	OS-12
Park	35	Acre	OS-13
Park	42	Acre	OS-14
Park	15	Acre	OS-15
Phase 6			
Multi-family Low-Rise	312	DU	E-1
Single Family	195	DU	E-2
School	871	Students	E-3
Single Family	35	DU	E-4
Single Family	22	DU	E-5
Multi-family Low-Rise	402	DU	E-6
Single Family	190	DU	E-7
Park	43	Acre	OS-16
Park	26	Acre	OS-17
Park	17	Acre	OS-18

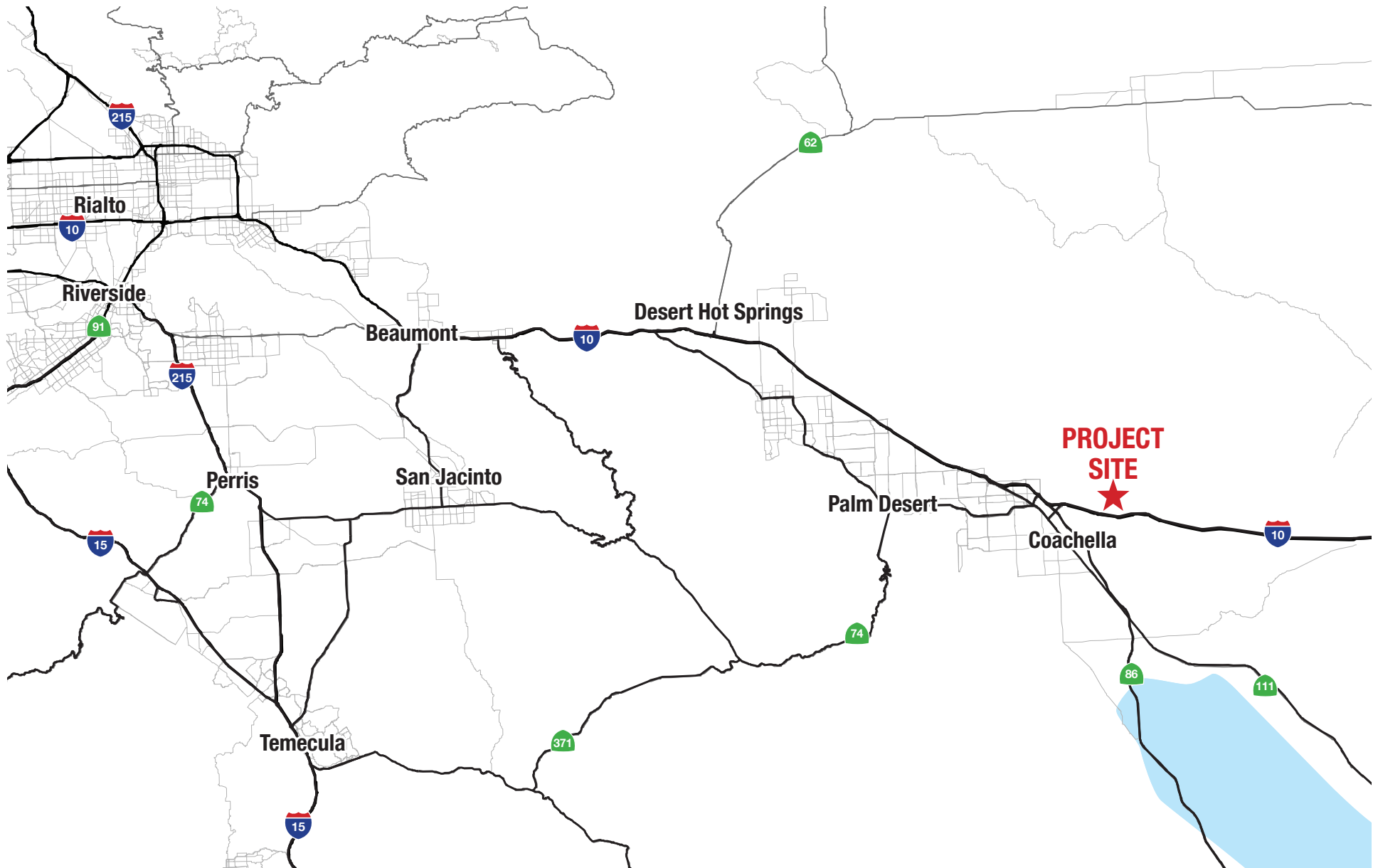
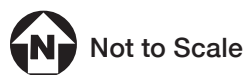


EXHIBIT 1: Regional Vicinity Map
KPC Coachella Specific Plan



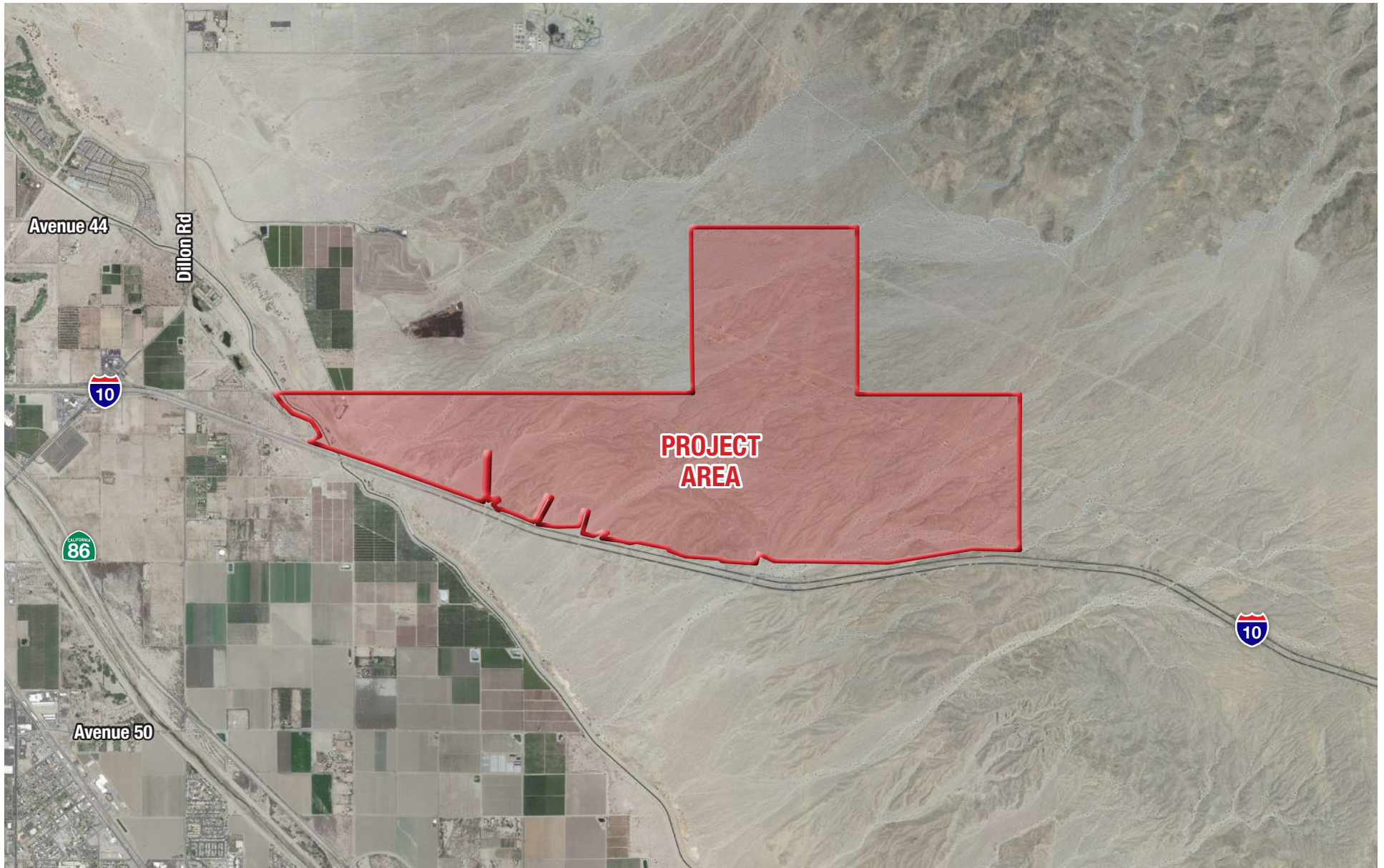


EXHIBIT 2: Site Vicinity Map
KPC Coachella Specific Plan

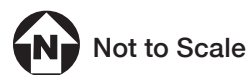




EXHIBIT 3: Conceptual Site Plan
KPC Coachella Specific Plan

2 ENVIRONMENTAL SETTING

2.1 Greenhouse Gases and Climate Change

Certain gases in the earth's atmosphere classified as GHGs, play a critical role in determining the earth's surface temperature. Solar radiation enters the earth's atmosphere from space. A portion of the radiation is absorbed by the earth's surface and a smaller portion of this radiation is reflected back toward space. This absorbed radiation is then emitted from the earth as low-frequency infrared radiation. The frequencies at which bodies emit radiation are proportional to temperature. Because the earth has a much lower temperature than the sun, it emits lower-frequency radiation. Most solar radiation passes through GHGs; however, infrared radiation is absorbed by these gases. As a result, radiation that otherwise would have escaped back into space is instead "trapped," resulting in a warming of the atmosphere. This phenomenon, known as the greenhouse effect, is responsible for maintaining a habitable climate on earth.

The primary GHGs contributing to the greenhouse effect are carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). Fluorinated gases also make up a small fraction of the GHGs that contribute to climate change. Examples of fluorinated gases include chlorofluorocarbons (CFCs), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF₆), and nitrogen trifluoride (NF₃); however, it is noted that these gases are not associated with typical land use development. Human-caused emissions of GHGs exceeding natural ambient concentrations are believed to be responsible for intensifying the greenhouse effect and leading to a trend of unnatural warming of the Earth's climate, known as global climate change or global warming.

GHGs are global pollutants, unlike criteria air pollutants and toxic air contaminants (TACs), which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (about one day), GHGs have long atmospheric lifetimes (one to several thousand years). GHGs persist in the atmosphere for long enough time periods to be dispersed around the globe. Although the exact lifetime of a GHG molecule is dependent on multiple variables and cannot be pinpointed, more CO₂ is emitted into the atmosphere than is sequestered by ocean uptake, vegetation, or other forms of carbon sequestration. Of the total annual human-caused CO₂ emissions, approximately 55 percent is sequestered through ocean and land uptakes every year, averaged over the last 50 years, whereas the remaining 45 percent of human-caused CO₂ emissions remains stored in the atmosphere³. Table 2: Description of Greenhouse Gases describes the primary GHGs attributed to global climate change, including their physical properties.

³ Intergovernmental Panel on Climate Change, *Carbon and Other Biogeochemical Cycles*. In: *Climate Change 2013: The Physical Science Basis, Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, 2013. http://www.climatechange2013.org/images/report/WG1AR5_ALL_FINAL.pdf.

Table 2: Description of Greenhouse Gases

Greenhouse Gas	Description
Carbon Dioxide (CO ₂)	CO ₂ is a colorless, odorless gas that is emitted naturally and through human activities. Natural sources include decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources are from burning coal, oil, natural gas, and wood. The largest source of CO ₂ emissions globally is the combustion of fossil fuels such as coal, oil, and gas in power plants, automobiles, and industrial facilities. The atmospheric lifetime of CO ₂ is variable because it is readily exchanged in the atmosphere. CO ₂ is the most widely emitted GHG and is the reference gas (Global Warming Potential of 1) for determining Global Warming Potentials for other GHGs.
Nitrous Oxide (N ₂ O)	N ₂ O is largely attributable to agricultural practices and soil management. Primary human-related sources of N ₂ O include agricultural soil management, sewage treatment, combustion of fossil fuels, and adipic and nitric acid production. N ₂ O is produced from biological sources in soil and water, particularly microbial action in wet tropical forests. The atmospheric lifetime of N ₂ O is approximately 120 years. The Global Warming Potential of N ₂ O is 298.
Methane (CH ₄)	CH ₄ , a highly potent GHG, primarily results from off-gassing (the release of chemicals from nonmetallic substances under ambient or greater pressure conditions) and is largely associated with agricultural practices and landfills. Methane is the major component of natural gas, about 87 percent by volume. Human-related sources include fossil fuel production, animal husbandry, rice cultivation, biomass burning, and waste management. Natural sources of CH ₄ include wetlands, gas hydrates, termites, oceans, freshwater bodies, non-wetland soils, and wildfires. The atmospheric lifetime of CH ₄ is about 12 years and the Global Warming Potential is 25.
Hydrofluorocarbons (HFCs)	HFCs are typically used as refrigerants for both stationary refrigeration and mobile air conditioning. The use of HFCs for cooling and foam blowing is increasing, as the continued phase out of CFCs and HCFCs gains momentum. The 100-year Global Warming Potential of HFCs range from 124 for HFC-152 to 14,800 for HFC-23.
Perfluorocarbons (PFCs)	PFCs have stable molecular structures and only break down by ultraviolet rays about 60 kilometers above Earth's surface. Because of this, they have long lifetimes, between 10,000 and 50,000 years. Two main sources of PFCs are primary aluminum production and semiconductor manufacturing. Global Warming Potentials range from 6,500 to 9,200.
Chlorofluorocarbons (CFCs)	CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane with chlorine and/or fluorine atoms. They are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). CFCs were synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. The Montreal Protocol on Substances that Deplete the Ozone Layer prohibited their production in 1987. Global Warming Potentials for CFCs range from 3,800 to 14,400.
Sulfur Hexafluoride (SF ₆)	SF ₆ is an inorganic, odorless, colorless, and nontoxic, nonflammable gas. It has a lifetime of 3,200 years. This gas is manmade and used for insulation in electric power transmission equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas. The Global Warming Potential of SF ₆ is 23,900.
Hydrochlorofluorocarbons (HCFCs)	HCFCs are solvents, similar in use and chemical composition to CFCs. The main uses of HCFCs are for refrigerant products and air conditioning systems. As part of the Montreal Protocol, HCFCs are subject to a consumption cap and gradual phase out. The United States is scheduled to achieve a 100 percent reduction to the cap by 2030. The 100-year Global Warming Potentials of HCFCs range from 90 for HCFC-123 to 1,800 for HCFC-142b.
Nitrogen Trifluoride (NF ₃)	NF ₃ was added to Health and Safety Code section 38505(g)(7) as a GHG of concern. This gas is used in electronics manufacture for semiconductors and liquid crystal displays. It has a high global warming potential of 17,200.

Source: Compiled from U.S. EPA, *Overview of Greenhouse Gases*, (<https://www.epa.gov/ghgemissions/overview-greenhouse-gases>), accessed February 2023; U.S. EPA, *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2016*, 2018; Intergovernmental Panel on Climate Change, *Climate Change 2007: The Physical Science Basis*, 2007; National Research Council, *Advancing the Science of Climate Change*, 2010; U.S. EPA, *Methane and Nitrous Oxide Emission from Natural Sources*, April 2010.

3 REGULATORY SETTING

3.1 Federal

To date, national standards have not been established for nationwide GHG reduction targets, nor have any regulations or legislation been enacted specifically to address climate change and GHG emissions reduction at the project level. Various efforts have been promulgated at the federal level to improve fuel economy and energy efficiency to address climate change and its associated effects.

Energy Independence and Security Act of 2007

The Energy Independence and Security Act of 2007 (December 2007), among other key measures, requires the following, which would aid in the reduction of national GHG emissions:

- Increase the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard requiring fuel producers to use at least 36 billion gallons of biofuel in 2022.
- Set a target of 35 miles per gallon for the combined fleet of cars and light trucks by model year 2020 and direct the National Highway Traffic Safety Administration (NHTSA) to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for work trucks.
- Prescribe or revise standards affecting regional efficiency for heating and cooling products and procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances.

U.S. Environmental Protection Agency Endangerment Finding

The U.S. Environmental Protection Agency (U.S. EPA) authority to regulate GHG emissions stems from the U.S. Supreme Court decision in *Massachusetts v. U.S. EPA* (2007). The Supreme Court ruled that GHGs meet the definition of air pollutants under the existing Federal Clean Air Act (FCAA) and must be regulated if these gases could be reasonably anticipated to endanger public health or welfare. Responding to the Court's ruling, the U.S. EPA finalized an endangerment finding in December 2009. Based on scientific evidence it found that six GHGs (CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆) constitute a threat to public health and welfare. Thus, it is the Supreme Court's interpretation of the existing FCAA and the U.S. EPA's assessment of the scientific evidence that form the basis for the U.S. EPA's regulatory actions.

Federal Vehicle Standards

In response to the U.S. Supreme Court ruling discussed above, Executive Order 13432 was issued in 2007 directing the U.S. EPA, the Department of Transportation, and the Department of Energy to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. In 2009, the NHTSA issued a final rule regulating fuel efficiency and GHG emissions from cars and light-duty trucks for model year 2011, and in 2010, the U.S. EPA and NHTSA issued a final rule regulating cars and light-duty trucks for model years 2012–2016.

In 2010, an Executive Memorandum was issued directing the Department of Transportation, Department of Energy, U.S. EPA, and NHTSA to establish additional standards regarding fuel efficiency and GHG

reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the U.S. EPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model years 2017–2025 light-duty vehicles. The proposed standards projected to achieve 163 grams per mile of CO₂ in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency.

In 2022 NHTSA finalized new Corporate Average Fuel Economy standards for model years 2024-2026. The new standards require an industry-wide fleet average of approximately 49 mpg for passenger cars and light trucks in model year 2026. The new standards will increase fuel efficiency eight (8) percent annually for model years 2024-2025 and ten (10) percent annually for model year 2026. They will also increase the estimated fleetwide average by nearly ten miles per gallon for model year 2026, relative to model year 2021.

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the U.S. EPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO₂ emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the U.S. EPA, this regulatory program will reduce GHG emissions and fuel consumption for the affected vehicles by 6 to 23 percent over the 2010 baselines.

In August 2016, the U.S. EPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program applies to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks. The final standards lower CO₂ emissions by approximately 1.1 billion metric tons and reduce oil consumption by up to two billion barrels over the lifetime of the vehicles sold under the program.⁴

On September 27, 2019, the U.S. EPA and the NHTSA published the “Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program.” (84 Fed. Reg. 51,310 (Sept. 27, 2019).)⁵ The SAFE Rule (Part One) revoked California’s authority to set its own GHG emissions standards and set zero-emission vehicle mandates in California. On March 31, 2020, the U.S. EPA and NHTSA finalized rulemaking for SAFE Part Two sets CO₂ emissions standards and corporate average fuel economy (CAFE) standards for passenger vehicles and light duty trucks, covering model years 2021-2026. The current U.S. EPA administration repealed SAFE Rule Part One, effective January 28, 2022 and is reconsidering Part Two.

In December 2021, the U.S. EPA finalized federal GHG emissions standards for passenger cars and light trucks for Model Years 2023 through 2026. These standards are the strongest vehicle emissions standards ever established for the light-duty vehicle sector and are based on sound science and grounded in a

⁴ U.S. EPA and NHTSA, *Greenhouse Gas Emissions and Fuel Efficiency Standards for Medium and Heavy-Duty Engines and Vehicles – Phase 2*, 2016. Available at: <https://www.gpo.gov/fdsys/pkg/FR-2016-10-25/pdf/2016-21203.pdf>. Accessed: February 2023.

⁵ U.S. EPA and NHTSA, Federal Register, Vol. 84, No. 188, *The Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program*, September 27, 2019. Available at: <https://www.govinfo.gov/content/pkg/FR-2019-09-27/pdf/2019-20672.pdf>. Accessed: February 2023.

rigorous assessment of current and future technologies. The updated standards will result in avoiding more than three billion tons of GHG emissions through 2050.⁶

3.2 State of California

California Air Resources Board

The California Air Resources Board (CARB) is responsible for the coordination and oversight of State and local air pollution control programs in California. Various statewide and local initiatives to reduce California's contribution to GHG emissions have raised awareness about climate change and its potential for severe long-term adverse environmental, social, and economic effects. California is a significant emitter of CO₂ equivalents (CO₂e) in the world and produced 369 gross million metric tons (MMT) of CO₂e in 2020.⁷ The transportation sector is the State's largest emitter of GHGs, followed by industrial operations such as manufacturing and oil and gas extraction.

The State of California legislature has enacted a series of bills that constitute the most aggressive program to reduce GHGs of any state in the nation. Some legislation, such as the landmark Assembly Bill (AB) 32, *California Global Warming Solutions Act of 2006*, was specifically enacted to address GHG emissions. Other legislation, such as Title 24 building efficiency standards and Title 20 appliance energy standards, were originally adopted for other purposes such as energy and water conservation, but also provide GHG reductions. This section describes the legislation's major provisions.

Assembly Bill 32 (California Global Warming Solutions Act of 2006)

AB 32 instructs the CARB to develop and enforce regulations for the reporting and verifying of statewide GHG emissions. AB 32 also directed CARB to set a GHG emissions limit based on 1990 levels, to be achieved by 2020. It set a timeline for adopting a scoping plan for achieving GHG reductions in a technologically and economically feasible manner.

California Air Resource Board Scoping Plan

CARB adopted the Scoping Plan to achieve the AB 32 goals. The Scoping Plan establishes an overall framework for the measures that would be adopted to reduce California's GHG emissions. CARB determined that achieving the 1990 emissions level would require a reduction of GHG emissions of approximately 29 percent below what would otherwise occur in 2020 in the absence of new laws and regulations (referred to as "business-as-usual")⁸. The Scoping Plan evaluates opportunities for sector-specific reductions, integrates early actions and additional GHG reduction measures by both CARB and the State's Climate Action Team, identifies additional measures to be pursued as regulations, and outlines

⁶ U.S. EPA, *Final Rule to Revise Existing National GHG Emissions Standards for Passenger Cars and Light Trucks Through Model Year 2026*, 2021. Available at: <https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-revise-existing-national-ghg-emissions>. Accessed: February 2023.

⁷ California Air Resources Board, *Current California GHG Emissions Inventory Data, 2000-2020 GHG inventory (2022 Edition)*, <https://ww2.arb.ca.gov/ghg-inventory-data>, accessed February 2023.

⁸ CARB defines business-as-usual (BAU) in its Scoping Plan as emissions levels that would occur if California continued to grow and add new GHG emissions but did not adopt any measures to reduce emissions. Projections for each emission-generating sector were compiled and used to estimate emissions for 2020 based on 2002–2004 emissions intensities. Under CARB's definition of BAU, new growth is assumed to have the same carbon intensities as was typical from 2002 through 2004.

the adopted role of a cap-and-trade program⁹. Additional development of these measures and adoption of the appropriate regulations occurred through the end of 2013. Key Scoping Plan elements include:

- Expanding and strengthening existing energy efficiency programs, as well as building and appliance standards.
- Achieving a statewide renewables energy mix of 33 percent by 2020.
- Developing a California cap-and-trade program that links with other programs to create a regional market system and caps sources contributing 85 percent of California's GHG emissions (adopted in 2011).
- Establishing targets for transportation-related GHG emissions for regions throughout California and pursuing policies and incentives to achieve those targets (several sustainable community strategies have been adopted).
- Adopting and implementing measures pursuant to existing State laws and policies, including California's clean car standards, heavy-duty truck measures, the Low Carbon Fuel Standard (amendments to the Pavley Standard adopted 2009; Advanced Clean Car standard adopted 2012), goods movement measures, and the Low Carbon Fuel Standard (adopted 2009).
- Creating targeted fees, including a public goods charge on water use, fees on gasses with high global warming potential, and a fee to fund the administrative costs of the State of California's long-term commitment to AB 32 implementation.
- The California Sustainable Freight Action Plan was developed in 2016 and provides a vision for California's transition to a more efficient, more economically competitive, and less polluting freight transport system. This transition of California's freight transport system is essential to supporting the State's economic development in coming decades while reducing pollution.
- CARB's Mobile Source Strategy demonstrates how the State can simultaneously meet air quality standards, achieve GHG emission reduction targets, decrease health risk from transportation emissions, and reduce petroleum consumption over the next fifteen years. The mobile Source Strategy includes increasing ZEV buses and trucks.

In 2012, CARB released revised estimates of the expected 2020 emissions reductions. The revised analysis relied on emissions projections updated in light of current economic forecasts that accounted for the economic downturn since 2008, reduction measures already approved and put in place relating to future fuel and energy demand, and other factors. This update reduced the projected 2020 emissions from 596 MMTCO₂e to 545 MMTCO₂e. The reduction in forecasted 2020 emissions means that the revised business-as-usual reduction necessary to achieve AB 32's goal of reaching 1990 levels by 2020 is now 21.7 percent, down from 29 percent. CARB also provided a lower 2020 inventory forecast that incorporated State-led GHG emissions reduction measures already in place. When this lower forecast is considered, the necessary reduction from business-as-usual needed to achieve the goals of AB 32 is approximately 16 percent.

⁹ The Climate Action Team, led by the secretary of the California Environmental Protection Agency, is a group of State agency secretaries and heads of agencies, boards, and departments. Team members work to coordinate statewide efforts to implement global warming emissions reduction programs and the State's Climate Adaptation Strategy.

CARB adopted the first major update to the Scoping Plan on May 22, 2014. The updated Scoping Plan summarizes the most recent science related to climate change, including anticipated impacts to California and the levels of GHG emissions reductions necessary to likely avoid risking irreparable damage. It identifies the actions California has already taken to reduce GHG emissions and focuses on areas where further reductions could be achieved to help meet the 2020 target established by AB 32.

In 2016, the Legislature passed Senate Bill (SB) 32, which codifies a 2030 GHG emissions reduction target of 40 percent below 1990 levels. With SB 32, the Legislature passed companion legislation, AB 197, which provides additional direction for developing the Scoping Plan. On December 14, 2017 CARB adopted a second update to the Scoping Plan¹⁰. The 2017 Scoping Plan details how the State will reduce GHG emissions to meet the 2030 target set by Executive Order B-30-15 and codified by SB 32. Other objectives listed in the 2017 Scoping Plan are to provide direct GHG emissions reductions; support climate investment in disadvantaged communities; and support the Clean Power Plan and other Federal actions.

The 2022 Scoping Plan sets a path to achieve targets for carbon neutrality and reduce anthropogenic GHG emissions by 85 percent below 1990 levels by 2045 in accordance with AB 1279. To achieve the targets of AB 1279, the 2022 Scoping Plan relies on existing and emerging fossil fuel alternatives and clean technologies, as well as carbon capture and storage. Specifically, the 2022 Scoping Plan focuses on zero-emission transportation; phasing out use of fossil gas use for heating homes and buildings; reducing chemical and refrigerants with high GWP; providing communities with sustainable options for walking, biking, and public transit; displacement of fossil-fuel fired electrical generation through use of renewable energy alternatives (e.g., solar arrays and wind turbines); and scaling up new options such as green hydrogen. The 2022 Scoping Plan sets one of the most aggressive approaches to reach carbon neutrality in the world. Unlike the 2017 Scoping Plan, CARB no longer includes a numeric per capita threshold and instead advocates for compliance with a local GHG reduction strategy (i.e., Climate Action Plan) consistent with CEQA Guidelines section 15183.5.

The key elements of the 2022 CARB Scoping Plan focus on transportation. Specifically, the 2022 Scoping Plan aims to rapidly move towards zero-emission transportation (i.e., electrifying cars, buses, trains, and trucks), which constitutes California's single largest source of GHGs. The regulations that impact the transportation sector are adopted and enforced by CARB on vehicle manufacturers and are outside the jurisdiction and control of local governments. The 2022 Scoping Plan accelerates development of new regulations as well as amendments to strengthen regulations and programs already in place.

Included in the 2022 Scoping Plan is a set of Local Actions (2022 Scoping Plan Appendix D) 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. CARB specifically states that Appendix D does not address other land uses (e.g., industrial). However, CARB plans to explore new approaches for other land use types in the future.

¹⁰ California Air Resources Board, *California's 2017 Climate Change Scoping Plan*, https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf. Accessed May 9, 2018.

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.

Senate Bill 32 (California Global Warming Solutions Act of 2006: Emissions Limit)

Signed into law in September 2016, SB 32 codifies the 2030 GHG reduction target in Executive Order B-30-15 (40 percent below 1990 levels by 2030). The bill authorizes CARB to adopt an interim GHG emissions level target to be achieved by 2030. CARB also must adopt rules and regulations in an open public process to achieve the maximum, technologically feasible, and cost-effective GHG reductions.

SB 375 (The Sustainable Communities and Climate Protection Act of 2008)

Signed into law on September 30, 2008, SB 375 provides a process to coordinate land use planning, regional transportation plans, and funding priorities to help California meet AB 32's GHG reduction goals established. SB 375 requires metropolitan planning organizations to include sustainable community strategies in their regional transportation plans for reducing GHG emissions, aligns planning for transportation and housing, and creates specified incentives for the implementation of the strategies.

AB 1493 (Pavley Regulations and Fuel Efficiency Standards)

AB 1493, enacted on July 22, 2002, required CARB to develop and adopt regulations that reduce GHGs emitted by passenger vehicles and light duty trucks. Implementation of the regulation was delayed by lawsuits filed by automakers and by the U.S. EPA's denial of an implementation waiver. The U.S. EPA subsequently granted the requested waiver in 2009, which was upheld by the U.S. District Court for the District of Columbia in 2011. The regulations establish one set of emission standards for passenger vehicle and light duty truck model years 2009–2016 and a second set of emissions standards for model years 2017 to 2025. By 2025, when all rules will be fully implemented, new passenger vehicles are anticipated to emit 34 percent fewer CO₂e emissions and 75 percent fewer smog-forming emissions.

SB 1368 (Emission Performance Standards)

SB 1368, which is AB 32's companion bill, directs the California Public Utilities Commission (CPUC) to adopt a performance standard for GHG emissions for the future power purchases of California utilities. SB 1368 limits carbon emissions associated with electrical energy consumed in California by forbidding procurement arrangements for energy longer than 5 years from resources that exceed the emissions of a relatively clean, combined cycle natural gas power plant. The new law effectively prevents California's utilities from investing in, otherwise financially supporting, or purchasing power from new coal plants located in or out of the State. The CPUC adopted the regulations required by SB 1368 on August 29, 2007. The regulations implementing SB 1368 establish a standard for baseload generation owned by, or under long-term contract to publicly owned utilities, for 1,100 pounds of CO₂ per megawatt-hour.

SB 1078, SB 107, and SBX1-2 (Renewable Electricity Standards)

SB 1078 (2002) required California to generate 20 percent of its electricity from renewable energy by 2017. SB 107 (2006) changed the due date to 2010 instead of 2017. On November 17, 2008, Governor Arnold Schwarzenegger signed Executive Order S-14-08, which established a Renewable Portfolio Standard target for California requiring that all retail sellers of electricity serve 33 percent of their load with renewable energy by 2020. Executive Order S-21-09 also directed CARB to adopt a regulation by July

31, 2010, requiring the State's load serving entities to meet a 33 percent renewable energy target by 2020. CARB approved the Renewable Electricity Standard on September 23, 2010 by Resolution 10-23. SBX1-2 (2011) codified the 33 percent by 2020 goal.

SB 350 (Clean Energy and Pollution Reduction Act of 2015)

Signed into law on October 7, 2015, SB 350 implements Executive Order B-30-15's goal. The SB 350 objectives are to increase the procurement of electricity from renewable sources from 33 percent to 50 percent (with interim targets of 40 percent by 2024, and 25 percent by 2027) and to double the energy efficiency savings in electricity and natural gas end uses of retail customers through energy efficiency and conservation. SB 350 also reorganizes the Independent System Operator to develop more regional electricity transmission markets and improve accessibility in these markets, which will facilitate the growth of renewable energy markets in the western United States.

AB 398 (Market-Based Compliance Mechanisms)

Signed on July 25, 2017, AB 398 extended the duration of the Cap-and-Trade program from 2020 to 2030. AB 398 required CARB to update the Scoping Plan and for all GHG rules and regulations adopted by the State. It also designated CARB as the statewide regulatory body responsible for ensuring that California meets its statewide carbon pollution reduction targets, while retaining local air districts' responsibility and authority to curb toxic air contaminants and criteria pollutants from local sources that severely impact public health. AB 398 also decreased free carbon allowances over 40 percent by 2030 and prioritized Cap-and-Trade spending to various programs including reducing diesel emissions in impacted communities.

SB 150 (Regional Transportation Plans)

Signed on October 10, 2017, SB 150 aligns local and regional GHG reduction targets with State targets (i.e., 40 percent below their 1990 levels by 2030). SB 150 creates a process to include communities in discussions on how to monitor their regions' progress on meeting these goals. The bill also requires the CARB to regularly report on that progress, as well as on the successes and the challenges regions experience associated with achieving their targets. SB 150 provides for accounting of climate change efforts and GHG reductions and identify effective reduction strategies.

SB 100 (California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases)

Signed into law in September 2018, SB 100 increased California's renewable electricity portfolio from 50 to 60 percent by 2030. SB 100 also established a further goal to have an electric grid that is entirely powered by clean energy by 2045.

AB 1346 (Air Pollution: Small Off-Road Engines)

Signed into Law in October 2021, AB 1346 requires CARB, to adopt cost-effective and technologically feasible regulations to prohibit engine exhaust and evaporative emissions from new small off-road engines, consistent with federal law, by July 1, 2022. The bill requires CARB to identify and, to the extent feasible, make available funding for commercial rebates or similar incentive funding as part of any updates to existing applicable funding program guidelines to local air pollution control districts and air quality management districts to implement to support the transition to zero-emission small off-road equipment operations.

AB 1279 (The California Climate Crisis Act)

AB 1279 establishes the policy of the State to achieve carbon neutrality as soon as possible, but no later than 2045; to maintain net negative GHG emissions thereafter; and to ensure that by 2045 statewide anthropogenic GHG emissions are reduced at least 85 percent below 1990 levels. The bill requires CARB to ensure that Scoping Plan updates identify and recommend measures to achieve carbon neutrality, and to identify and implement policies and strategies that enable CO² removal solutions and carbon capture, utilization, and storage technologies.

SB 1020 (100 Percent Clean Electric Grid)

Signed on September 16, 2022, SB 1020 provides additional goals for the path to the 2045 goal of 100 percent clean electricity retail sales. It creates a target of 90 percent clean electricity retail sales by 2035 and 95 percent clean electricity retail sales by 2040.

SB 905 (Carbon Sequestration Program)

Signed on September 16, 2022, SB 905 establishes regulatory framework and policies that involve carbon removal, carbon capture, utilization, and sequestration. It also prohibits the injecting of concentrated carbon dioxide fluid into a Class II injection well for the purpose of enhanced oil recovery.

AB 1757 (Nature-Based Solutions)

Signed on September 16, 2022, AB 1757 requires State agencies to develop a range of targets for natural carbon sequestration and nature-based climate solutions that reduce GHG emissions to meet the 2030, 2038, and 2045 goals which would be integrated into a scoping plan addressing natural and working lands.

Executive Orders Related to GHG Emissions

California's Executive Branch has taken several actions to reduce GHGs using 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 was issued on June 1, 2005, which established the following GHG emissions reduction targets:

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

The 2050 reduction goal represents what some scientists believe is necessary to reach levels that will 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. Issued on January 18, 2007, 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 percent by 2020. The executive order established a Low Carbon Fuel Standard (LCFS) and directed the

Secretary for Environmental Protection to coordinate the actions of the California Energy Commission, CARB, the University of California, and other agencies to develop and propose protocols for measuring the “life-cycle carbon intensity” of transportation fuels. CARB adopted the LCFS on April 23, 2009.

Executive Order S-13-08. Issued on November 14, 2008, Executive Order S-13-08 facilitated the California Natural Resources Agency development of the 2009 California Climate Adaptation Strategy. 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 S-14-08. Issued on November 17, 2008, Executive Order S-14-08 expands the State’s Renewable Energy Standard to 33 percent renewable power by 2020. Additionally, Executive Order S-21-09 (signed on September 15, 2009) directs CARB to adopt regulations requiring 33 percent of electricity sold in the State come from renewable energy by 2020. CARB adopted the Renewable Electricity Standard on September 23, 2010, which requires 33 percent renewable energy by 2020 for most publicly owned electricity retailers.

Executive Order S-21-09. Issued on July 17, 2009, Executive Order S-21-09 directs CARB to adopt regulations to increase California’s Renewable Portfolio Standard (RPS) to 33 percent by 2020. This builds upon SB 1078 (2002), which established the California RPS program, requiring 20 percent renewable energy by 2017, and SB 107 (2006), which advanced the 20 percent deadline to 2010, a goal which was expanded to 33 percent by 2020 in the 2005 Energy Action Plan II.

Executive Order B-30-15. Issued on April 29, 2015, Executive Order B-30-15 established a California GHG reduction target of 40 percent below 1990 levels by 2030 and directs CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of MMTCO₂e. The 2030 target acts as an interim goal on the way to achieving reductions of 80 percent below 1990 levels by 2050, a goal set by Executive Order S-3-05. The executive 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. With the enactment of SB 32 in 2016, the Legislature codified the goal of reducing GHG emissions by 2030 to 40 percent below 1990 levels.

Executive Order B-55-18. Issued on September 10, 2018, Executive Order B-55-18 establishes a goal to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter. This goal is in addition to the existing statewide targets of reducing GHG emissions. The executive order requires CARB to work with relevant State agencies to develop a framework for implementing this goal. It also requires CARB to update the Scoping Plan to identify and recommend measures to achieve carbon neutrality. The executive order also requires State agencies to develop sequestration targets in the Natural and Working Lands Climate Change Implementation Plan.

Executive Order N-79-20. Signed in September 2020, Executive Order N-79-20 establishes as a goal that where feasible, all new passenger cars and trucks, as well as all drayage/cargo trucks and off-road vehicles and equipment, sold in California, will be zero-emission by 2035. The executive order sets a similar goal requiring that all medium and heavy-duty vehicles will be zero-emission by 2045 where feasible. It also directs CARB to develop and propose rulemaking for passenger vehicles and trucks, medium-and heavy-duty fleets where feasible, drayage trucks, and off-road vehicles and equipment “requiring increasing volumes” of new zero emission vehicles (ZEVs) “towards the target of 100 percent.” The executive order directs the California Environmental Protection Agency, the California Geologic Energy Management Division (CalGEM), and the California Natural Resources Agency to transition and repurpose oil production

facilities with a goal toward meeting carbon neutrality by 2045. Executive Order N-79-20 builds upon the CARB Advanced Clean Trucks regulation, which was adopted by CARB in July 2020.

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 Appliance Efficiency Regulations. The appliance efficiency regulations (California Code of Regulations [CCR] Title 20, Sections 1601-1608) include standards for new appliances. Twenty-three categories of appliances are included in the scope of these regulations. These standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy- and water-efficient appliances.

Title 24 Building Energy Efficiency Standards. California's Energy Efficiency Standards for Residential and Nonresidential Buildings (CCR Title 24, Part 6) 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. Energy efficient buildings require less electricity; therefore, increased energy efficiency reduces fossil fuel consumption and decreases GHG emissions. The California Energy Commission (CEC) adopted the 2022 Energy Code on August 11, 2021, which was subsequently approved by the California Building Standards Commission for inclusion into the California Building Standards Code. The 2022 Title 24 standards will result in less energy use, thereby reducing air pollutant emissions associated with energy consumption across California. For example, the 2022 Title 24 standards will require efficient electric heat pumps, establishes electric-ready requirements for new homes, expands solar photovoltaic and battery storage standards, and strengthens ventilation standards.

Title 24 California Green Building Standards Code. The California Green Building Standards Code (CCR Title 24, Part 11 code) commonly referred to as the CALGreen Code, is a statewide mandatory construction code developed and adopted by the California Building Standards Commission and the Department of Housing and Community Development. The CALGreen standards require new residential and commercial buildings to comply with mandatory measures under the topics of planning and design, energy efficiency, water efficiency/conservation, material conservation and resource efficiency, and environmental quality. CALGreen also provides voluntary tiers and measures that local governments may adopt that encourage or require additional measures in the five green building topics. The most recent update to the CALGreen Code went into effect January 1, 2023 (2022 CALGreen). The 2022 CALGreen standards continue to improve upon the existing standards for new construction of, and additions and alterations to, residential and nonresidential buildings.

3.3 Regional

South Coast Air Quality Management District Thresholds

The South Coast Air Quality Management District (SCAQMD) formed a GHG California Environmental Quality Act (CEQA) Significance Threshold Working Group to provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents. This working group was formed to assist SCAQMD's efforts to develop a GHG significance threshold and is composed of a wide variety of

stakeholders including the State Office of Planning and Research, CARB, the Attorney General's Office, a variety of city and county planning departments in the SCAB, various utilities such as sanitation and power companies throughout the SCAB, industry groups, and environmental and professional organizations. The Working Group has proposed a tiered approach to evaluating GHG emissions for development projects where SCAQMD is not the lead agency, wherein projects are evaluated sequentially through a series of "tiers" to determine whether the project is likely to result in a potentially significant impact due to GHG emissions.

With the tiered approach, a project is compared against the requirements of each tier sequentially and would not result in a significant impact if it complies with any tier. Tier 1 excludes projects that are specifically exempt from SB 97 from resulting in a significant impact. Tier 2 excludes projects that are consistent with a GHG reduction plan that has a certified final CEQA document and complies with AB 32 GHG reduction goals. Tier 3 excludes projects with annual emissions lower than a screening threshold. The SCAQMD has adopted a threshold of 10,000 MTCO₂e per year for industrial projects and a 3,000 MTCO₂e threshold was proposed for non-industrial projects but has not been adopted. The SCAQMD concluded that projects with emissions less than the screening threshold would not result in a significant cumulative impact.

Tier 4 consists of three decision tree options. Under the Tier 4 first option, SCAQMD initially outlined that a project would be excluded if design features and/or mitigation measures resulted in emissions 30 percent lower than business as usual emissions. However, the Working Group did not provide a recommendation for this approach. The Working Group folded the Tier 4 second option into the third option. Under the Tier 4 third option, a project would be excluded if it was below an efficiency-based threshold of 4.8 MTCO₂e per service population per year. Tier 5 would exclude projects that implement offsite mitigation (GHG reduction projects) or purchase offsets to reduce GHG emission impacts to less than the proposed screening level.

Tier 3 Screening Thresholds

When the tiered approach is applied to a proposed project, and the project is found not to comply with Tier 1 or Tier 2, the project's emissions are compared against a screening threshold, as described above, for Tier 3. The screening threshold formally adopted by SCAQMD is an "interim" screening threshold for stationary source industrial projects where the SCAQMD is the lead agency under CEQA. The threshold was termed "interim" because, at the time, SCAQMD anticipated that CARB would be adopting a statewide significance threshold that would inform and provide guidance to SCAQMD in its adoption of a final threshold. However, no statewide threshold was ever adopted, and the interim threshold remains in effect.

For projects for which SCAQMD is not a lead agency, no screening thresholds have been formally adopted. However, the SCAQMD Working Group has recommended a threshold of 10,000 MTCO₂e/year for industrial projects and 3,000 MTCO₂e/year for residential and commercial projects. SCAQMD determined that these thresholds would "capture" 90 percent of GHG emissions from these sectors, "capture" meaning that 90 percent of total emissions from all new projects would be subject to some type of CEQA analysis (i.e., found potentially significant).¹¹

¹¹ SCAQMD, "Staff Report: Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans," December 5, 2008, Attachment E: "Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold," October 2008, p. 3-2.

Southern California Association of Governments

On April 4, 2024, SCAG's Regional Council adopted Connect SoCal (*2024–2050 Regional Transportation Plan/Sustainable Communities Strategy* [2024 RTP/SCS]). The RTP/SCS charts a course for closely integrating land use and transportation so that the region can grow smartly and sustainably. The strategy was prepared through a collaborative, continuous, and comprehensive process with input from local governments, county transportation commissions, tribal governments, non-profit organizations, businesses and local stakeholders within the counties of Orange, Los Angeles, Imperial, Riverside, San Bernardino, and Ventura. The RTP/SCS is a long-range vision plan that balances future mobility and housing needs with economic, environmental, and public health goals. The SCAG region strives toward sustainability through integrated land use and transportation planning. The SCAG region must achieve specific federal air quality standards and is required by State law to lower regional GHG emissions.

3.4 Local

City of Coachella Climate Action Plan

The goal of the City of Coachella Climate Action Plan (CAP) is to provide a more livable, equitable, economically vibrant community through the incorporation of energy efficiency features and reduction of GHG emissions. The City of Coachella proposed to set an efficiency-based greenhouse gas reduction target of 15% below 2010 per service population emissions by 2020 and proposes an aggressive emissions reduction target of 49% below 2010 per service population emissions by 2035. The 2020 target was tied to the recommendation of the California Air Resources Board and the Climate Change Scoping Plan, which had suggested that local governments work to reduce emissions by 15%. Coachella's 2020 target aligned with this state recommendation and placed the City on a course towards California's long-term emissions reduction target, which is an ambitious goal to reduce greenhouse emissions by 80% below 1990 levels in 2050. The 2050 goal is the State's policy interpretation of the percent reduction necessary to stabilize global carbon dioxide levels, while still providing for economic growth. The City recognizes the need to continue reducing emissions beyond 2020, but also knows that additional state and federal actions will be needed to achieve an 80% target by 2050.

In order for Coachella to achieve a long-term goal to reduce emissions, the City needs to continue evaluating new strategies and implementation actions that take purposeful steps beyond the actions outlined in the General Plan. The suite of options available to Coachella will continue to evolve over time as more jurisdictions identify cost-effective, community-level solutions to reduce emissions, as businesses deploy less carbon intensive technologies, and as individuals change their behavior. Below is a selection of policies and measures that would help Coachella to meet the 2035 greenhouse gas emissions target:

- Energy Efficiency

Residential and non-residential buildings produce approximately 39% of Coachella's emissions and are a primary target for the CAP. This strategy quantifies energy efficiency policies in the General Plan for homes, businesses, and private street lighting, including energy performance targets to construct buildings 15% more energy efficient than Title 24, increase passive solar design features, and planting new shade trees.

- Energy Generation

This strategy includes General Plan policies that will help homes and businesses in Coachella increase renewable energy production. It includes requirements for solar photovoltaic infrastructure on new homes and businesses and pursuing clean energy through community choice aggregation.

- Land Use and Transportation

Coachella's General Plan provides clear guidance for how Coachella will become a city of walkable neighborhoods tied together by multi-modal transportation corridors and interspersed with vibrant districts for shopping, working, entertaining, and commerce. The walkable neighborhoods will have a diverse mix of housing types and will be in close proximity to shopping and neighborhood services so that the majority of one's daily needs are a short walk away. This strategy evaluates the land use and transportation policies in the General Plan that aim to reduce vehicle miles travelled and improve mobility. Specific implementation measures involve changing land uses, adopting a new perspective on community design, promoting alternative modes of travel, and revising antiquated parking standards.

- Solid Waste

Solid waste generation produces only a small percentage of Coachella's emissions (3%), but with population and employment growth, the specific actions outlined in the General Plan to increase waste diversion can result in significant emissions reductions. This strategy includes General Plan policies related to increase residential and commercial recycling and construction recycling.

- Vegetation and Open Space

Not only do trees and open space enhance the appearance of a community, they reduce ambient air temperature, lower energy use, reduce air and water pollution, and absorb greenhouse gases. Coachella's General Plan includes policies for increasing access to parks and open spaces and planting new trees. This compilation of General Plan policies focuses on the carbon sequestration benefits of new vegetation and trees.

- Water Use

Water use represents one of the fastest growing emissions sectors in the Coachella CAP with potable water use growing 45% between 2005 and 2010. The General Plan includes policies to address indoor and outdoor water use and future water supply. This strategy analyzes the effectiveness of these measures at reducing greenhouse gas emissions.

- Additional CAP Measures:

Community Choice Aggregation

The General Plan calls for the City to develop a community choice aggregation system in order to secure alternative energy supply contracts for the community. For enhanced performance, the City should strive to achieve a participatory rate of 100% of the homes and businesses will participate in the program that purchases a portfolio of cleaner energy sources.

Solid Waste Reduction

The City proposes striving for zero waste to landfills by 2040 through reusing, reducing and recycling solid waste. Under an enhanced approach, the City should strive for 90% of the community's commercial and residential waste to be diverted from the landfill. Along with commercial and residential waste, 90% of the construction and demolition debris should also be recycled.

Water Use and Supply

The City's General Plan proposes a series of policies to conserve water. Under the enhanced policy approach, the City should strive for reducing outdoor water use in new construction by 15%, which would lower greenhouse gas emissions from water use. Along with the water performance standard, the General Plan encourages the reduction of water use through plant selection and irrigation technology. It is estimated that the enhanced policy approach will reduce outdoor water use by an additional 12.5% and lower greenhouse gas emissions.

Energy Performance

The General Plan policies require new construction to incorporate solar and encourages solar in existing building retrofits. For the enhanced measure, the quantification of greenhouse gas emission reductions for these policies uses the following assumptions:

- By 2035, 2.5% electricity for new residential structures and 25% of the electricity for existing commercial buildings will be generated by on-site renewable sources of energy.
- By 2035, 25% of the electricity for new residential structures and 50% of the electricity for new commercial construction will be generated by on-site renewable sources of energy.

Commercial Energy Conservation Ordinance

To further reduce emissions, the City could explore enacting a commercial and industrial energy conservation ordinance that requires certain businesses to reduce energy use by 20% when a property is sold. This package of actions includes exploration of point-of-sale energy use disclosures, energy audits, and energy efficiency upgrades.

Residential Energy Conservation Ordinance

Along with a commercial energy conservation ordinance, the City could adopt an ordinance that requires cost-effective energy efficiency upgrades in existing buildings be implemented at point of sale or during major renovation of residential units. A maximum cost ceiling would be established to protect owners from excessive fees.

Travel Demand Management

Travel demand management (TDM) refers to strategies which reduce the need for people to travel in automobiles, particularly for work trips. Example TDM applications could include:

- Alternative work schedules
- Vanpooling
- Carpooling
- Telecommuting

The potential level of reduction associated with this measure could be as high as 25% of all work trips.

Intelligent Transportation System / Traffic Flow Improvements

One method available to the City to further reduce greenhouse gas emissions is the deployment of Intelligent Transportation Systems (ITS) which provide for more efficient traffic flow. These strategies are often implemented through signal coordination and retiming efforts. The City has received a grant and will be preparing an ITS Master Plan to implement ITS strategies along its major corridors. The level of reduction on a City-wide basis is likely to be approximately 5%, which assumes that a majority of the roadways within the City receive ITS improvements.

City of Coachella General Plan

Coachella is a community with close ties to the land and the outdoors. Through this close relationship, environmental health is a key factor determining economic and community health. As such, the City's General Plan goals and policies applicable to the Project include the following:

Goal 1. Climate Change. A resilient community that is prepared for the health and safety impacts of and minimizes the risks of climate change.

Policies:

- 1.1 Municipal operations. Conduct city operations and institutionalize practices that reduce municipal greenhouse gas (GHG) emissions and lead the community in reducing GHG emissions.
- 1.2 GHG reductions. Promote land use and development patterns that reduce the community's dependence on and length of automobile trips.
- 1.3 Existing GHG emissions. Work with community members and businesses to support their efforts to reduce greenhouse gas emissions.
- 1.4 Monitoring progress. Monitor and update periodically the city's target to reduce greenhouse gas emissions.
- 1.5 Climate action plan. Maintain, implement and periodically update a climate action plan and greenhouse gas inventory.
- 1.6 Climate-appropriate building types. Seek out and promote alternative building types that are more sensitive to the arid environment found in the Coachella Valley. Courtyard housing and commercial buildings can be designed to provide microclimates that are usable year round, reducing the need for mechanically cooled spaces and reducing energy consumption.
- 1.7 GHG reduction incentives. Periodically review fee structures for potential opportunities to provide financial and administrative incentives to support installation of renewable energy generators, energy efficiency measures, land use patterns, and other measures that reduce greenhouse gas emissions.
- 1.8 Regional participation. Act as the participant in of climate change activities in the Coachella Valley.
- 1.9 Climate change and health. Acknowledge the on-going and future impacts of climate change and extreme events on Coachella's residents, taking action to minimize the effects among vulnerable

populations and help implement California's executive order (EO) s-13-08 and the 2009 California Climate Adaptation Strategy.

1.10 Adaptation strategy. Proactively develop strategies to reduce the community's vulnerability to climate change impacts.

1.11 Urban forest. Protect the City's healthy trees and plant new ones to provide shade, increase carbon sequestration and purify the air.

1.12 Reduced water supplies. When reviewing development proposals, consider the possibility of constrained future water supplies and require enhanced water conservation measures.

1.13 Designing for warming temperatures. When reviewing development proposals, encourage applicants and designers to consider warming temperatures in the design of cooling systems.

1.14 Designing for changing precipitation patterns. Periodically evaluate stormwater control strategies and systems for sensitivity to changes in precipitation regimes and consider adjusting those strategies to accommodate future precipitation regimes.

1.15 Communications and outreach. Continue to work with the Riverside County Public Health Department to establish social networks and website updates to distribute information on climate change impacts to vulnerable populations including actions they can take to reduce exposure to unhealthy conditions.

Goal 2. Energy. An energy efficient community that relies primarily on renewable and non-polluting energy sources.

Policies:

2.1 Community development–subdivisions. When reviewing applications for new subdivisions, require all residences be oriented along an east-west access, minimizing western sun exposure, to maximize energy efficiency.

2.2 Passive solar design. Require new buildings to incorporate energy efficient building and site design strategies for the desert environment that include appropriate solar orientation, thermal mass, use of natural daylight and ventilation, and shading.

2.3 Alternative energy. Promote the incorporation of alternative energy generation (e.g., solar, wind, biomass) in public and private development.

2.4 Community Choice Aggregation. Work with nearby local and regional agencies to develop a community choice aggregation system in order to secure alternative energy supply contracts for the community.

2.5 Construction standards. Consider and evaluate new construction practices and standards that increase building energy efficiency.

2.6 Energy performance targets – new construction. Require new construction to exceed Title 24 energy efficiency standards by 15 percent and incorporate solar photovoltaics.

2.7 Energy performance targets – existing buildings. When existing buildings undergo major retrofits, require the buildings to exceed Title 24 energy efficiency standards by 15 percent and encourage solar photovoltaics.

2.8 Renewable energy–open space areas. Allow the installation of renewable energy systems in areas zoned for open space.

2.9 Energy-efficient street lighting. Implement a program to install the latest energyefficient technologies for street and parking lot lights to meet City and state standards.

2.10 New industries. Actively promote the City as a place for renewable energy generation, and a place for energy conservation businesses to locate.

2.11 Publicly funded buildings. Require energy conservation as the primary strategy to reduce energy demand in new and renovation projects using public funds.

2.12 Solar access. Prohibit new development and renovations that impair adjacent buildings' solar access, unless it can be demonstrated that the shading benefits substantially offset the impacts of solar energy generation potential.

2.13 Use of passive open space. Allow renewable energy projects in areas zoned for open space, where consistent with other uses and values.

2.14 Public buildings. Require that any new building constructed in whole or in part with City funds incorporate passive solar design features, such as daylighting and passive solar heating, where feasible

Goal 4. Green Building. Community building stock (both new construction and renovations) that demonstrates high environmental performance through green design.

Policies:

4.1 Public buildings. Require all new and substantially renovated or reconstructed Cityowned and operated buildings in excess of 5,000 square feet achieve a LEED Silver Certification standard, as determined by the U.S. Green Building Council, or a substantially similar green building standard.

4.2 Affordable housing – green design. Require affordable housing developments to prioritize green building design features that reduce monthly utility costs, enhance occupant health and lower the overall cost of housing.

4.3 Education. Provide technical support and information to educate the development community about green building.

4.4 Reducing GHG emissions. In consulting with applicants and designing new facilities, prioritize the selection of green building design features that enhance the reduction of greenhouse gas emissions.

4.5 Heat island reductions. Require heat island reduction strategies in new developments such as light-colored cool roofs, light-colored paving, permeable paving, right-sized parking requirements, water efficient vegetative cover and planting, substantial tree canopy coverage, south and west side water-efficient tree planting, and shaded asphalt paving.

4.6 Public realm shading. Strive to improve shading in public spaces such as bus stops, sidewalks and public parks and plazas through the use of trees, shelters, awnings, gazebos, fabric shading and other creative cooling strategies.

4 SIGNIFICANCE CRITERIA AND METHODOLOGY

4.1 CEQA Thresholds and Significance Criteria

Based upon the criteria derived from State CEQA Guidelines Appendix G, a project normally would have a significant effect on the environment if it would:

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

The Appendix G thresholds for GHG emissions do not prescribe specific methodologies for performing an assessment, do not establish specific thresholds of significance, and do not mandate specific mitigation measures. Rather, the CEQA Guidelines emphasize the lead agency's discretion to determine the appropriate methodologies and thresholds of significance consistent with the manner in which other impact areas are handled in CEQA.

Addressing GHG emissions generation impacts requires an agency to determine what constitutes a significant impact. The Amendments to the State CEQA Guidelines specifically allow lead agencies to determine thresholds of significance that illustrate the extent of an impact and are a basis from which to apply mitigation measures. This means that each agency is left to determine whether a project's GHG emissions will have a "significant" impact on the environment. The guidelines direct that agencies are to use "careful judgment" and "make a good-faith effort, based to the extent possible on scientific and factual data, to describe, calculate or estimate" the project's GHG emissions¹².

The California Governor's Office of Planning and Research (OPR) Technical Advisory, *CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA) Review* (2008) states that "public agencies are encouraged but not required to adopt thresholds of significance for environmental impacts. Even in the absence of clearly defined thresholds for GHG emissions, the law requires that such emissions from CEQA projects must be disclosed and mitigated to the extent feasible whenever the lead agency determines that the project contributes to a significant, cumulative climate change impact". Furthermore, the Technical Advisory indicates that "in the absence of regulatory standards for GHG emissions or other scientific data to clearly define what constitutes a 'significant impact,' individual lead agencies may undertake a project-by-project analysis, consistent with available guidance and current CEQA practice."

The City of Coachella has not adopted project-specific significance thresholds, and instead relies on SCAQMD's recommended Tier 3 screening thresholds to determine the significance of a project's GHG emissions. The proposed Project's GHG emissions are evaluated consistent with CEQA Guidelines Sections 15183.5, 15064.4(a)(2), and 15064.4(b) by considering whether the Project complies with the CARB Scoping Plan and the City's Climate Action Plan. The CARB Scoping Plan provides a framework for actions to reduce California's GHG emissions and requires CARB and other State agencies to adopt regulations and other initiatives to reduce GHGs.

¹² 14 California Code of Regulations, Section 15064.4a

4.2 Methodology

Global climate change is, by definition, a cumulative impact of GHG emissions. Therefore, there is no project-level analysis. The baseline against which to compare potential impacts of the project includes the natural and anthropogenic drivers of global climate change, including world-wide GHG emissions from human activities which almost doubled between 1970 and 2010 from approximately 27 gigatonnes (Gt) of CO₂/year to nearly 49 GtCO₂/year.¹³ As such, the geographic extent of climate change and GHG emissions cumulative impact discussion is worldwide.

The Project's construction and operational emissions were calculated using the California Emissions Estimator Model (CalEEMod). Details of the modeling assumptions and emission factors are provided in [Appendix A: Greenhouse Gas Emissions Data](#).

Construction

CalEEMod calculates construction emissions from off-road equipment usage and on-road vehicle travel associated with haul, delivery, and construction worker trips. Construction GHG emissions were forecasted based on the proposed construction schedule and applying the emissions factors derived from CalEEMod. The Project's construction-related GHG emissions would be generated from off-road construction equipment, on-road hauling and vendor (material delivery) trucks, and worker vehicles.

For the purposes of analyzing GHG emissions, the construction activities for the five villages were modeled in separate phases (Phase 1, Phase 2, Phase 3, Phase 4, Phase 5, and Phase 6). Construction was modeled generally according to the following timeline¹⁴:

- Phase 1: Commence in 2025 with a 40-month duration.
- Phase 2: Commence in 2028 with a 40-month duration.
- Phase 3: Commence in 2031 with a 40-month duration.
- Phase 4: Commence in 2034 with a 40-month duration.
- Phase 5: Commence in 2038 with a 40-month duration.
- Phase 6: Commence in 2042 with a 40-month duration.

Operations

The Project's operational GHG emissions would be generated by vehicular traffic, area sources (e.g., landscaping maintenance, consumer products), energy consumption (electricity and natural gas), water supply and wastewater treatment, and solid waste. These emissions categories are discussed below.

¹³ Intergovernmental Panel on Climate Change, *Climate Change 2014 Mitigation of Climate Change Working Group III Contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, 2014.

¹⁴ As the Project development is speculative, a conservative worst-case construction timeline has been modeled for analysis purposes. This involves modeling emissions at the earliest feasible date. Emissions in future years (i.e., due to a later construction start date or operational opening year) would be lower due to phased-in emissions standards, inspection and maintenance requirements, and fleet turnover). Project construction that occurs at a later date than what was modeled impacts would result in lower emissions than those analyzed due to the use of more energy-efficient and cleaner burning construction vehicle fleet mix, pursuant to state regulations that require vehicle fleet operators to phase-in less polluting heavy-duty equipment. As a result, Project-related construction emissions would be lower than the impacts disclosed herein. For emissions modeling purposes, conservatively analyzing the emissions using an earlier construction start date provides for a worst-case analysis and full disclosure of potential air quality impacts, as required by CEQA.

- **Area Sources.** Area source emissions occur from architectural coatings, landscaping equipment, and consumer products. The Project involves residential, hotel, and commercial uses. Landscaping and consumer products (i.e., personal care products, home, lawn, and garden products, disinfectants, sanitizers, polishes, cosmetics, and floor finishes) would be part of the emissions from area sources. Additionally, the primary emissions from architectural coatings are volatile organic compounds, which are relatively insignificant as direct GHG emissions.
- **Energy Consumption.** Energy consumption consists of emissions from project consumption of electricity and natural gas. Primary uses of electricity and natural gas by the Project would be for miscellaneous residential and hotel appliances, space heating and cooling, water heating, ventilation, lighting, and electronics. Energy emissions are calculated based on consumption rates and emissions factors in CalEEMod. No changes were made to the default energy usage consumption rates or emissions factors.
- **Solid Waste.** Solid waste releases GHG emissions in the form of methane when these materials decompose. Solid waste emissions are calculated based on generation rates and emissions factors in CalEEMod.
- **Water and Wastewater.** Project GHG emissions would be generated from energy consumption associated with water and wastewater conveyance and treatment. Water and wastewater emissions are calculated based on consumption rates and emissions factors in CalEEMod. No changes were made to the default water/wastewater usage consumption rates or emissions factors.
- **Refrigerants.** Project refrigerants includes fugitive GHG emissions associated with building air conditioning and refrigeration equipment. Different types of refrigeration equipment are used by different types of land uses. For example, an office may use various types of air conditioning equipment, while a supermarket may use both air conditioning equipment and refrigeration equipment. CalEEMod automatically generates a default air conditioning and refrigeration equipment inventory for each project land use subtype based on industry data from the U.S. EPA.
- **Mobile Sources.** Mobile sources are emissions from motor vehicles. The Project's generated traffic was obtained from the Project's *Traffic Impact Analysis (TIA) Scope of Work for KPC Coachella Specific Plan – Coachella, California* prepared by Linscott, Law & Greenspan, Engineers (September 27, 2022) and modeled using the latest version of CARB's Emission Factor model (EMFAC). Emission rates were calculated using emissions factors for 2028, 2031, 2034, 2038, 2042, and 2045, consistent with the opening year of each phase. The Project land use assumptions and trip generation from the Traffic Study are summarized in [Table 3: CalEEMod Land Use and Trip Generation](#). Project trip generation from the Traffic Impact Analysis is based on the Riverside County Model (RIVCOM), a traffic forecasting model provided by Western Riverside Council of Governments (WRCOG). Other operational emissions from area, energy, and stationary sources were quantified in CalEEMod based on land use activity data.

The Project would generate a total of 98,485 daily trips. When accounting for internal capture and diverted trips, the Project would generate 58,091 total external daily trips.

Table 3: CalEEMod Land Use and Trip Generation			
Land Use Type	Building Area Modeled¹	Modeled Acreage²	Daily Trips³
Phase 1			
Multifamily Housing (Mid-Rise)	349,000	4.50	--
Shopping Center	577,428	13.26	--
General Office Building	292,477	6.72	--
Hotel	644,500	6.00	--
Public Park	--	89.90	--
Drainage	--	117.00	--
Street / ROW	--	23.00	--
Parking Lot	--	107.00	--
Phase 1 Total	1,863,405	367.37	20,108
Phase 2			
Single Family Detached Housing	984,600	177.60	--
Multifamily Housing (Low-Rise)	472,200	14.75	--
Multifamily Housing (Mid-Rise)	419,000	5.51	--
School	22,990	0.53	--
Theater	217,800	5.00	--
Public Park	--	8.90	--
Drainage	--	95.30	--
Street / ROW	--	23.30	--
Parking Lot	--	19.11	--
Phase 2 Total	2,116,590	350.00	10,168
Phase 3			
Single Family Detached Housing	595,800	107.47	--
Multifamily Housing (Low-Rise)	510,000	25.50	--
School	11,788	0.27	--
Public Park	--	87.40	--
Drainage	--	99.50	--
Street / ROW	--	25.06	--
Parking Lot	--	59.00	--
Phase 3 Total	1,117,588	404.20	6,012
Phase 4			
Multifamily Housing (Mid-Rise)	2,032,000	53.47	--
Shopping Center	758,777	17.42	--
General Office Building	252,928	5.81	--
Public Park	--	38.30	--
Drainage	--	110.77	--

Table 3: CalEEMod Land Use and Trip Generation			
Land Use Type	Building Area Modeled¹	Modeled Acreage²	Daily Trips³
Street / ROW	--	23.27	--
Parking Lot	--	122.00	--
Phase 4 Total	3,043,705	371.04	24,071
Phase 5			
Single Family Detached Housing	1,170,000	211.04	--
Single Family Attached Housing (Condo)	1,456,000	91.00	--
Multifamily Housing (Low-Rise)	1,331,000	43.19	--
Multifamily Housing (Mid-Rise)	38,000	1.00	--
School	129,083	2.96	--
Shopping Center	62,930	1.44	--
General Office Building	20,977	0.48	--
Public Park	--	102.00	--
Drainage	--	153.4	--
Street / ROW	--	48.33	--
Parking Lot	--	121.50	--
Phase 5 Total	4,207,990	776.34	29,514
Phase 6			
Single Family Detached Housing	795,600	134.00	--
Multifamily Housing (Low-Rise)	714,000	20.63	--
School	72,818	1.67	--
Public Park	--	85.40	--
Drainage	--	244.00	--
Street / ROW	--	34.00	--
Parking Lot	--	24.00	--
Phase 6 Total	1,582,418	543.70	8,612
Total (All Phases)	13,931,696	2,813	98,485
1. Building area is estimated using CalEEMod and is based on land use units (dwelling units for residential properties, number of rooms for the hotel, number of students for schools, and the number of seats for the theater). 2. Acreage for buildings estimated using CalEEMod based on land use. 3. Daily trips based on RIVCOM data in the Traffic Impact Analysis.			

Consistency with GHG Reduction Plans

The Project was evaluated for consistency with the following GHG reduction plans:

- **City of Coachella CAP.** Project consistency with the goals and policies of City of Coachella CAP and contribution to the CAP's GHG reduction trend.
- **SB 375.** Project consistency with major goals of SCAQG's Connect SoCal (2024-2050 RTP/SCS).

- **AB 32, SB 32, and AB 1279.** Project consistency with the State's GHG reduction targets and associated policies and regulations to meet the ultimate goal of net zero GHG no later than 2045, and achieve and maintain net negative GHG emissions thereafter, to ensure that anthropogenic GHG emissions are reduced to at least 85 percent below 1990 levels by 2045.

5 POTENTIAL IMPACTS AND MITIGATION

5.1 Greenhouse Gas Emissions and Plan Compliance

Threshold 5.1 Would the Project generate GHG emissions, either directly or indirectly, that could have a significant impact on the environment?

Threshold 5.2 Would the Project conflict with an applicable plan, policy, or regulation of an agency adopted for the purpose of reducing GHG emissions?

Construction Greenhouse Gas Emissions

The Project would result in direct emissions of CO₂, N₂O, and CH₄ from construction equipment and the transport of materials and construction workers to and from the project site. The GHG emissions only occur during temporary construction activities and would be cease once construction is complete. The total GHG emissions (in CO₂e) generated during construction are shown in Table 4: Construction-Related Greenhouse Gas Emissions.

Table 4: Construction-Related Greenhouse Gas Emissions	
Category	MTCO₂e
Phase 1 Construction	
Construction Year 1 (2025)	1,944
Construction Year 2 (2026)	3,553
Construction Year 3 (2027)	3,693
Construction Year 4 (2028)	153
Total Phase 1 Construction Emissions	9,343
Phase 1: 30-Year Amortized Construction Emissions	311.43
Phase 2 Construction	
Construction Year 1 (2028)	1,013
Construction Year 2 (2029)	3,091
Construction Year 3 (2030)	3,904
Construction Year 4 (2031)	1,047
Total Phase 2 Construction Emissions	9,055
Phase 2: 30-Year Amortized Construction Emissions	301.83
Phase 3 Construction	
Construction Year 1 (2031)	421
Construction Year 2 (2032)	1,934
Construction Year 3 (2033)	2,539
Construction Year 4 (2034)	1,698

Table 4: Construction-Related Greenhouse Gas Emissions	
Category	MTCO₂e
Total Phase 3 Construction Emissions	6,592
Phase 3: 30-Year Amortized Construction Emissions	219.73
Phase 4 Construction	
Construction Year 1 (2035)	2,185
Construction Year 2 (2036)	4,878
Construction Year 3 (2037)	4,979
Construction Year 4 (2038)	225
Total Phase 4 Construction Emissions	12,267
Phase 4: 30-Year Amortized Construction Emissions	408.90
Phase 5 Construction	
Construction Year 1 (2038)	992
Construction Year 2 (2039)	5,024
Construction Year 3 (2040)	6,555
Construction Year 4 (2041)	1,604
Total Phase 5 Construction Emissions	14,175
Phase 5: 30-Year Amortized Construction Emissions	472.50
Phase 6 Construction	
Construction Year 1 (2041)	440
Construction Year 1 (2042)	2,033
Construction Year 2 (2043)	2,931
Construction Year 3 (2044)	1,920
Total Phase 6 Construction Emissions	7,324
Phase 6: 30-Year Amortized Construction Emissions	244.13
Project Buildout Total Construction Emissions	58,756
Project Buildout Total Amortized Emissions	1,958.52
Source: CalEEMod version 2022. Refer to Appendix A for model outputs.	

As shown in Table 4, Phase 1 of the Project would result in the generation of approximately 9,343 MTCO₂e over the course of construction; Phase 2 would generate approximately 9,055 MTCO₂e over the course of construction; Phase 3 would generate approximately 6,592 MTCO₂e over the course of construction; Phase 4 would generate approximately 12,267 MTCO₂e over the course of construction; Phase 5 would generate approximately 14,175 MTCO₂e over the course of construction; and Phase 6 would generate approximately 7,324 MTCO₂e over the course of construction. Construction GHG emissions are typically

summed and amortized over a 30-year period and then added to the operational emissions¹⁵. The amortized Project Phase 1, Phase 2, Phase 3, Phase 4, Phase 5, and Phase 6 construction emissions would be 311.43 MTCO₂e, 301.83 MTCO₂e, 219.73 MTCO₂e, 408.90 MTCO₂e, 472.50 MTCO₂e, and 244.13 MTCO₂e per year respectively. Total construction emissions and total amortized emissions for Project Buildout would be 58,756 MTCO₂e and 1,958.52 MTCO₂e per year respectively. Once construction is complete, the generation of these GHG emissions would cease.

Operational Greenhouse Gas Emissions

Operational emissions occur over the life of the Project. GHG emissions would result from direct emissions such as Project generated vehicular traffic, on-site combustion of natural gas, and operation of any landscaping equipment. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power, the energy required to convey water to, and wastewater from the Project, and the emissions associated with solid waste generated from the Project.

Existing regulations applicable to the Project would help to reduce GHG emissions. Prior to issuance of a building permit, the City of Coachella would review and verify that the Project plans demonstrate compliance with the current version of the Building and Energy Efficiency Standards. The Project would also be required to adhere to the provisions of CALGreen, which establishes planning and design standards for sustainable site development, and energy efficiency.

GHG emissions associated with Phase 1, Phase 2, Phase 3, Phase 4, Phase 5, Phase 6, and Project Buildout (combination of All phases) are summarized in Table 5: Operational Greenhouse Gas Emissions. As Shown in Table 5, the Project's total unmitigated emissions per year would be approximately 34,471.51 MTCO₂e for Phase 1, 21,320.32 MTCO₂e for Phase 2, 12,142.42 MTCO₂e for Phase 3, 47,453.19 MTCO₂e for Phase 4, 53,121.59 MTCO₂e for Phase 5, 15,804.63 MTCO₂e for Phase 6, and 187,313.66 MTCO₂e for Project Buildout.

Table 5: Operational Greenhouse Gas Emissions		
Emissions Source	MTCO₂e per Year	
	Unmitigated	Mitigated
Phase 1		
Construction Amortized Over 30 Years	311.43	311.43
Area Source ¹	96.00	70.90
Energy (Natural Gas) ²	1,610.00	1,409.00
Energy (Electricity) ^{2,3}	3,978.00	2,185.00
Mobile	31,222.34	31,222.34
Waste ⁴	421.00	105
Water and Wastewater	298.00	298.0
Refrigerants	142.00	142.00
TOTAL	38,078.77	35,743.67

¹⁵ The standard 30-year amortization period is based on the South Coast Air Quality Management District (South Coast Air Quality Management District, *Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #13*, August 26, 2009).

Phase 2		
Construction Amortized Over 30 Years	301.83	301.83
Area Source ¹	313.55	292.15
Energy (Natural Gas) ²	2,143.35	388.93
Energy (Electricity) ^{2,3}	2,084.09	1,139.22
Mobile	15,911.19	15,911.19
Waste ⁴	380.24	95.06
Water and Wastewater	183.50	183.50
Refrigerants	2.57	2.57
TOTAL	21,320.32	18,314.45
Phase 3		
Construction Amortized Over 30 Years	219.73	219.73
Area Source ¹	181.49	170.86
Energy (Natural Gas) ²	1,096.18	9.00
Energy (Electricity) ^{2,3}	1,020.84	700.82
Mobile	9,277.01	9,277.01
Waste ⁴	222.69	55.67
Water and Wastewater	123.07	123.07
Refrigerants	1.41	1.41
TOTAL	12,142.42	10,557.57
Phase 4		
Construction Amortized Over 30 Years	408.90	408.90
Area Source ¹	452.81	412.83
Energy (Natural Gas) ²	1,809.16	388.24
Energy (Electricity) ^{2,3}	4,170.12	2,109.50
Mobile	39,443.41	39,443.41
Waste ⁴	792.23	198.06
Water and Wastewater	373.54	373.54
Refrigerants	3.02	3.02
TOTAL	47,453.19	43,337.50
Phase 5		
Construction Amortized Over 30 Years	472.50	472.50
Area Source ¹	752.30	705.99
Energy (Natural Gas) ²	4,209.86	130.72
Energy (Electricity) ^{2,3}	3,929.31	2,237.83
Mobile	42,438.98	42,438.98
Waste ⁴	955.41	238.85
Water and Wastewater	358.04	358.04
Refrigerants	5.19	5.19
TOTAL	53,121.59	46,588.10
Phase 6		
Construction Amortized Over 30 Years	244.13	244.13
Area Source ¹	250.29	234.86
Energy (Natural Gas) ²	1,538.77	55.58
Energy (Electricity) ^{2,3}	1,273.67	757.05

Mobile	12,003.33	12,003.33
Waste ⁴	343.09	85.77
Water and Wastewater	149.38	149.38
Refrigerants	1.97	1.97
TOTAL	15,804.63	13,532.07
Project Buildout		
Construction Amortized Over 30 Years	1,958.52	1,958.52
Area Source ¹	2,046.44	1,887.59
Energy (Natural Gas) ²	12,407.32	2,381.47
Energy (Electricity) ^{2,3}	16,456.03	9,129.42
Mobile	150,296.26	150,296.26
Waste ⁴	3,114.66	778.41
Water and Wastewater	1,485.53	1,485.53
Refrigerants	156.16	156.16
BUILDOUT TOTAL	187,920.92	168,073.36
1. Mitigation Measures AQ-5 requires 100 percent electric landscaping equipment and AQ-6 requires implementation of EPA Safer Choice cleaning products. Both measures would reduce area source emissions. 2. Mitigation Measure GHG-2 requires buildings to meet or exceed 2022 CALGreen Tier 2 standards. 3. Mitigation Measure GHG-1 requires single-family residential developments to provide 25 percent of projected electricity demand via solar and multifamily and nonresidential developments to provide 50 percent of projected electricity demands via solar. 4. Mitigation Measure GHG-3 requires a minimum of 75 percent solid waste diversion.		
Source: CalEEMod version 2022. Refer to Appendix A for model outputs.		

The majority of the GHG emissions (80 percent at Project Buildout) are associated with non-construction related mobile sources. Emissions of motor vehicles are controlled by State and federal standards, and the Project has no control over these standards.

The Project includes numerous mitigation measures that would reduce emissions. **MM AQ-3**, **AQ-4**, **AQ-5**, and **MM AQ-6** have been identified in the Project's Air Quality Assessment to reduce operational emissions and would also reduce GHG emissions. **MM AQ-3** requires the implementation of a Transportation Demand Management (TDM) program to reduce single occupant vehicle trips and encourage transit; **MM AQ-4** prohibits the use of any kind of fireplaces; **MM AQ-5** requires all landscaping equipment used onsite shall be 100 percent electrically powered; and **MM AQ-6** requires the implementation of EPA Safer Choice certified cleaning products used in public areas.

Additionally, the Project would further reduce GHG emissions through the implementation of **MM GHG-1** through **MM GHG-4**. **MM GHG-1** requires the installation of photovoltaic solar panels to offset energy emissions; **MM GHG-2** requires the Project to meet or exceed 2022 CALGreen Tier 2 standards to further improve energy efficiency; **MM GHG-3** requires the Project to divert 75 percent of waste from landfills; and **GHG-4** requires the residential projects to use energy efficient appliances. The Project would also be required to comply with various plans, programs, and policies (PPPs) which would be required by local, State, or federal regulations or laws.

Table 5 shows that implementation of these mitigation measures and PPPs would reduce GHG emissions to 35,743.67 MTCO₂e for Phase 1; to 18,314.45 MTCO₂e for Phase 2; to 10,557.57 MTCO₂e for Phase 3; to 43,337.50 MTCO₂e for Phase 4; to 46,588.10 MTCO₂e for Phase 5; to 13,532.07 MTCO₂e for Phase 6; and to 167,366.65 MTCO₂e for Project Buildout. The majority of the Project's GHG emissions are generated by mobile emissions.

Additional mitigation to reduce the Project's mobile emissions is not feasible due to the limited ability of the City of Coachella to address emissions resulting from mobile sources and/or emissions generated by cars and trucks outside of the City's limits. As with all land use projects, the Project's mobile and transportation related GHG emissions are a function of two parameters: emissions control technology and vehicle miles traveled (VMT).

CARB is directly responsible for regulating mobile and transportation source emissions in the State. Regarding the first parameter, California addresses emissions control technology through a variety of legislation and regulatory schemes, including the State's Low Carbon Fuel Standard (Executive Order S-01-07) (LCFS), a regulatory program designed to encourage the use of cleaner low-carbon transportation fuels in California, encourage the production of those fuels, and therefore, reduce GHG emissions and decrease petroleum dependence in the transportation sector. The regulatory standards are expressed in terms of the "carbon intensity" of gasoline and diesel fuel and their substitutes. Different types of fuels are evaluated to determine their "life cycle emissions" which include the emissions associated with producing, transporting, and using the fuels. Each fuel is then given a carbon intensity score and compared against a declining carbon intensity benchmark for each year. Providers of transportation fuels must demonstrate that the mix of fuels they supply for use in California meets these declining benchmarks for each annual compliance period.

In 2018, CARB approved amendments to the LCFS, which strengthened the carbon intensity benchmarks through 2030 to ensure they are in-line with California's 2030 GHG emission reduction target enacted through SB 32. CARB is also implementing additional transportation sector regulations such as Advanced Clean Cars II, Advanced Clean Trucks, and Advanced Clean Fleets. This ensures that the transportation sector is meeting its obligations to achieve California's GHG reduction targets. The Project would be required to comply with these regulations through vehicle manufacturer compliance. The State is also implementing legislation and regulations to address the second parameter affecting transportation related GHG emissions by controlling for VMT. Examples of this include SB 375, which links land use and transportation funding and provides one incentive for regions to achieve reductions in VMT, and SB 743, which discourages VMT increases for passenger car trips above a region-specific benchmark.

Additional mitigation to further reduce the Project's non-mobile emissions would be speculative as all feasible technologies have been applied to the Project through mitigation measures and PPPs. These mitigation measures and PPPs address non-mobile emissions by designing buildings to provide environmental design features that incorporate energy and water conservation measures and provide electrical, heating, ventilation, lighting, and power systems that meet CALGreen Standards. The State is addressing the remaining energy-related GHG emissions through SB 100 and SB 1020, which requires 100 percent clean electricity retail sales by 2045. Additionally, SB 905 requires the State to use carbon removal, carbon capture, utilization, and sequestration technologies and AB 1757 requires nature-based sequestration in natural working lands.

City of Coachella Climate Action Plan Consistency

The City of Coachella adopted a Climate Action Plan (CAP) in April 2015. The Coachella GHG Emissions Inventory provides a snapshot of emissions for the baseline year of 2010, building on the earlier efforts of the City to quantify the main sources of emissions from the community as a whole in 2005. In 2010, total GHG emissions in Coachella were approximately 382,787 MTCO₂e, a 22 percent increase over 2005 emissions of 312,628 MTCO₂e. This aggregate number accounts for direct emissions from the on-site combustion of fuels and the combustion of fuel in vehicles. This figure also includes all indirect emissions associated with community electricity consumption, and emissions from solid waste generated, crop management, and water consumed by Coachella.

According to the CAP, the transportation sector emitted the largest quantity of GHG emissions, 206,909 MTCO₂e or 54 percent of the community total. The combined commercial, industrial, and public authority sector was the second largest producer of GHG, contributing 72,294 MTCO₂e of emissions, while the residential sector produced 65,357 MTCO₂e. The remainder of the emissions came from agriculture (8,844 MTCO₂e), lighting infrastructure (730 MTCO₂e), solid waste (10,960 MTCO₂e), and water (17,693 MTCO₂e) sectors.

Without policy intervention, these trends, coupled with high residential and commercial growth rates, are expected to continue into the future, increasing Coachella's GHG emissions significantly. Therefore, the CAP builds upon the goals and policies set forth in the City's General Plan and was specifically designed to achieve the City's goals of reducing community-wide GHG emissions.

The proposed Project is an urban mixed-use project that would include local retail, housing, school, hotel, and performing arts center near SunLine transit routes, major freeways, and roadways. The Project location, mix of uses, and proximity to transit would reduce dependency on cars, reduce time spent in traffic, closely links residents to jobs and services, and reduce VMT. The Coachella General Plan includes specific policies that are incorporated into the CAP. These policies guide the City's approach to reducing greenhouse gas emissions and developing strategies to minimize the potential impacts of climate change and variability. For the CAP, policies were compiled from the Land Use (LU), Mobility (M), Sustainability and Natural Environment (SNE), Safety (S), and Infrastructure and Public Services (IPS) elements. The policies outlined in the City of Coachella CAP are listed in **Error! Reference source not found..** The Proposed Project is evaluated for consistency with these goals.

Table 6: City of Coachella Climate Action Plan Consistency	
CAP Measures	Compliance
Energy Performance Policies (SNE 2.6 and 2.7) Require new buildings and old buildings undergoing major retrofits to exceed Title 24 energy efficiency standards by 15 percent and incorporate solar photovoltaics.	Consistent: MM GHG-1 requires project buildings to install photovoltaic solar panels. Additionally, MM GHG-2 requires the Project to meet or exceed CALGreen Tier 2 standards. Additionally, the Specific Plan Design Guidelines require energy efficient windows and allow for rooftop solar (Section 4.4.4). Specific Plan Section 4.8 allows for small scale wind turbines and requires equipment to be located to maximize energy efficiency. Section 4.8 also encourages Energy Star equipment.
Passive Solar Designs (SNE 2.1 and 2.2) All residences shall be oriented along an east-	Consistent: These policies are required by the General Plan and will be enforced during the design review and plan check process.

Table 6: City of Coachella Climate Action Plan Consistency

CAP Measures	Compliance
west access, minimizing western sun exposure and maximizing energy efficiency.	
Heat Island Measures (SNE 1.11 and 4.6) Improve shading in public spaces using trees, shelters, and other cooling strategies.	Consistent: Trees and shade structures have been incorporated into the Project landscape design. The Specific Plan includes a Landscape Master Plan in Section 4.6 Landscape Guidelines. The Specific Plan requires trees along streets, in public areas, and to shade trails within the project.
Energy Efficient Street Lighting (SNE 2.9) Incorporate the latest energy efficient technologies for streets and parking lots to meet City and state standards.	Consistent: Project construction will meet all City and state standards. Additionally, Specific Plan Section 4.9 requires energy efficient lighting.
Community Choice Aggregation (SNE 2.4) Work with local and regional agencies to secure alternative energy supply contracts. for the community.	N/A: This is not a project-level policy; therefore, this goal is not applicable. However, MM GHG-1 requires project buildings to install photovoltaic solar panels, While Specific Plan Section 4.4.4 allows for rooftop solar and Specific Plan Section 4.8 allows for small scale wind turbines.
Alternative Energy (SNE 2.3 and 2.13) Promote the incorporation of alternative energy generation in public and private development.	Consistent: MM GHG-1 requires project buildings to install photovoltaic solar panels.
Renewable Energy – Open Space Areas (SNE 2.8) Allow the installation of renewable energy systems in areas zoned for open space.	Consistent: The Project does not prevent the option for future installation of renewable energy systems in areas zoned for open space. Additionally, the Specific Plan Design Guidelines allow for rooftop solar (Section 4.4.4) and Specific Plan Section 4.8 allows for small scale wind turbines.
Solar Access (SNE 2.12) Prohibit new development and renovations that impair adjacent buildings solar access.	Consistent: These policies are required by the General Plan and will be enforced during the design review and plan check process.
Land Use Densification, Mix of Use, and Integrated Community Design (LU 3.2, 3.3, 5.1, 5.2, 5.4, and 5.7) Regulate new development to encourage walkability and connectivity. Developments will be complete with a mix of uses and promote a range of housing and price levels within each neighborhood.	Consistent: These requirements will be enforced during the entitlement process as required in the General Plan. The Specific Plan includes a mix of uses that would be linked with sidewalks along internal roads and trails. Increased connectivity will be accomplished by linking community amenities like the commercial centers, school, open space and parks, through a network of promenades, paseos, trails, bike/neighborhood electric vehicle (NEV) lanes, sidewalks and transit routes.
Neighborhood and Site Enhancements (M 1.1, 1.2, 1.5, 2.1, 2.2, 3.1, 3.2, and 3.3) Require complete streets for new and existing roadways to create safe environments for pedestrians, bicyclists, and motorists.	Consistent: All roadway improvements will be approved by Public Works Department ensuring all requirements are met. Specific Plan Section 4.6.3 notes that the overall streetscape design goal for the KPC Coachella community is to create a healthy, efficient, and walkable community that promotes strong pedestrian, bicycle and NEV connections. The Specific Plan would create a network of accessible connections via streets, sidewalks, bike paths, promenades, paseos and natural systems to provide greater opportunities for convenient non-vehicular circulation.

Table 6: City of Coachella Climate Action Plan Consistency

CAP Measures	Compliance
Parks and Open Space (SNE 13.3, 13.4, 13.5, 13.9, and 13.15) Ensure existing and new neighborhoods have sufficient access to park facilities.	Consistent: The Project includes 18 parks located throughout the Project area. These include neighborhood parks, passive recreation corridors, and a trail system totaling 395 acres. These parks are strategically located to provide access to residents. The Project will also conserve 754 acres of natural open space. The Specific Plan includes a system of neighborhood parks interconnected by NEV and multi-purpose trails will provide a continuous open space network through the Project.
Source: City of Coachella Climate Action Plan, April 2015.	

Regional Transportation Plan/Sustainable Communities Strategy Consistency

On April 4, 2024, SCAG's Regional Council adopted Connect SoCal (2024 - 2050 Regional Transportation Plan/Sustainable Communities Strategy [2024 RTP/SCS]), however, it is still pending approval by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). Therefore, this analysis also discusses the projects consistency with the previously adopted Connect SoCal (2020 – 2045 Regional Transportation Plan/Sustainable Communities Strategy [2020 RTP/SCS]) which was adopted on September 3, 2020. The RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. The RTP/SCS is a long-range visioning plan that balances future mobility and housing needs with economic, environmental, and public health goals. The RTP/SCS embodies a collective vision for the region's future and is developed with input from local governments, county transportation commissions, tribal governments, nonprofit organizations, businesses, and local stakeholders in the counties of Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura. Under Senate Bill (SB) 375, SCAG's 2024 RTP/SCS establishes GHG emissions goals to reduce GHG emissions in the region by eight percent from 2005 levels by 2020 and by 2035. SCAG's 2020 RTP/SCS establishes GHG emissions goals for automobiles and light-duty trucks for 2020 and 2035 as well as an overall GHG target for the Project region consistent with both the target date of AB 32 and the post-2020 GHG reduction goals of Executive Orders 5-03-05 and B-30-15.

Since Connect SoCal was adopted in 2020, SCAG gained responsibility for the selection of transportation projects to be funded with federal revenue. The RTP/SCS invests \$751.7 billion in our transportation system, primarily in operations and maintenance, to ensure the continued performance of our current network. Implementation of the 2024 RTP/SCS would add 181,200 new miles of transit revenue service, 4,000 new miles of bike lanes and 869 new miles to the Regional Express Lane Network. Strategic investments in infrastructure and transportation would improve access to employment centers and stimulate regional economic growth and opportunity in historically underserved areas. Connect SoCal is an important planning document for the region, allowing public agencies to implement transportation projects in a coordinated manner while qualifying for federal and state funding. Connect SoCal also supports local jurisdictions in making informed land use planning and housing development decisions.

The 2024 and 2020 RTP/SCS plans account for operations and maintenance costs to ensure reliability, longevity, and cost effectiveness. The 2024 and 2020 RTP/SCS are also supported by a combination of transportation and land use strategies that help the region achieve state GHG emissions reduction goals and Federal Clean Air Act (FCAA) requirements, increased housing production, improved equity and resilience, the preservation of natural lands, improvement of public health, increased transportation

safety, support for the region's vital goods movement industries and more efficient use of resources. GHG emissions resulting from development-related mobile sources are the most potent source of emissions, and therefore project comparison to the RTP/SCS is an appropriate indicator of whether the project would inhibit the post-2020 GHG reduction goals promulgated by the state. The Project's consistency with the RTP/SCS goals is analyzed in detail in Table 7: Regional Transportation Plan/Sustainable Communities Strategy Consistency.

Table 7: Regional Transportation Plan/Sustainable Communities Strategy Consistency	
SCAG Goals	Compliance
2024 Regional Transportation Plan/Sustainable Communities Strategy Consistency ¹	
<i>Mobility: Build and maintain an integrated multimodal transportation network.</i>	
Support investments that are well-maintained and operated, coordinated, resilient and result in improved safety, improved air quality and minimized greenhouse gas emissions	N/A. This is not a project-specific policy and is therefore not applicable.
Ensure that reliable, accessible, affordable, and appealing travel options are readily available, while striving to enhance equity in the offerings in high-need communities	N/A. This is not a project-specific policy and is therefore not applicable
Support planning for people of all ages, abilities, and backgrounds	N/A. This is not a project-specific policy and is therefore not applicable.
<i>Communities: Develop, connect, and sustain communities that are livable and thriving</i>	
Create human-centered communities in urban, suburban, and rural settings to increase mobility options and reduce travel distances	Consistent. The Project will develop a new master planned community which will contain commercial, residential, education, employment, and recreational land uses which will reduce the distance residents will need to drive. Additionally, the Project is located adjacent to Interstate 10 (I-10).
Produce and preserve diverse housing types in an effort to improve affordability, accessibility, and opportunities for all households	Consistent. The Project will develop a mix of residential dwelling units ranging from single family units to high density multi-family units.
<i>Environment: Create a healthy region for the people of today and tomorrow</i>	
Develop communities that are resilient and can mitigate, adapt to, and respond to chronic and acute stresses and disruptions, such as climate change	Consistent. As discussed in the Project's Air Quality Assessment, after implementing mitigation the Project would not exceed SCAQMD's regional or localized thresholds. Based on the Friant Ranch decision, projects that do not exceed the SCAQMD's localized significance thresholds (LSTs) would not violate any air quality standards or contribute substantially to an existing or projected air quality violation and result in no criteria pollutant health impacts. Additionally, the Project's Health Risk Assessment determined potential health risks associated with Toxic Air Contaminants resulting from implementation of the proposed Project would be less than significant. Although the Project would result in a significant GHG emissions, the Project is consistent with all applicable plans, policies, and regulations and will implement all feasible mitigation to reduce GHG emissions.
Integrate the region's development pattern and transportation network to improve air quality, reduce greenhouse gas emissions and enable more sustainable use of energy and water	Consistent. While the Project is not a transportation improvement Project, the Project will develop a new master planned community which will contain a variety of uses which will reduce the trip lengths of residents. In addition, the Project will promote

Table 7: Regional Transportation Plan/Sustainable Communities Strategy Consistency	
SCAG Goals	Compliance
	environmentally sustainable development through green design techniques for buildings and other energy-reducing techniques, through mitigation measures such as requiring solar panels, meet or exceed 2022 CALGreen Tier 2 standards, and requiring energy efficient appliances.
Conserve the region's resources	Consistent. The proposed Project is located on vacant land that is not designated for agricultural uses, natural resources, or conservation. Therefore, Project development would not result in a loss of the region's resources.
<i>Economy: Support a sustainable, efficient, and productive regional economic environment that provides opportunities for all people in the region</i>	
Improve access to jobs and educational resources	Consistent. The Project is a master planned community and will develop commercial and retail uses near residential uses. Therefore, the Project would improve access to jobs opportunities.
Advance a resilient and efficient goods movement system that supports the economic vitality of the region, attainment of clean air and quality of life for our communities	Consistent. The Project is not a transportation improvement project, however, as summarized above, the Project would reduce trip lengths and result in less than significant air quality and health risk impacts.
2020 Regional Transportation Plan/Sustainable Communities Strategy Consistency ²	
GOAL 1: Encourage regional economic prosperity and global competitiveness.	N/A: This is not a project-specific policy and is therefore not applicable. However, the Project would help to more urbanize the area and development of the site would contribute to regional economic prosperity.
GOAL 2: Improve mobility, accessibility, reliability, and travel safety for people and goods.	Consistent: Although this Project is not a transportation improvement project, the Project is located near existing transit routes adjacent to the project site and major transportation corridors on I-10, SR-86, and SR-111.
GOAL 3: Enhance the preservation, security, and resilience of the regional transportation system.	N/A: This is not a transportation improvement project and is therefore not applicable.
GOAL 4: Increase person and goods movement and travel choices within the transportation system.	N/A: This is not a transportation improvement project and is therefore not applicable.
GOAL 5: Reduce greenhouse gas emissions and improve air quality.	Consistent: The project master planned community in proximity to existing transit routes and freeways. Location of the Project would reduce trip lengths, which would reduce GHG and air quality emissions.
GOAL 6: Support healthy and equitable communities	Consistent: The Project is a specific plan which includes a mix of uses including residential, commercial, educational facilities and open space. Development of the Project would include housing and neighborhood-serving retail proximate to employment, reducing vehicle miles traveled (VMT), promoting walkability, and contributing to a jobs/housing balance.
GOAL 7: Adapt to a changing climate and support an integrated regional development pattern and transportation network.	N/A: This is not a project-specific policy and is therefore not applicable.

Table 7: Regional Transportation Plan/Sustainable Communities Strategy Consistency		
SCAG Goals		Compliance
GOAL 8:	Leverage new transportation technologies and data-driven solutions that result in more efficient travel.	N/A: This is not a project-specific policy and is therefore not applicable.
GOAL 9:	Encourage development of diverse housing types in areas that are supported by multiple transportation options.	Consistent: The Project is a master planned community and involves development of commercial, residential, educational, hotel, and park that would provide diverse housing options that would be served by several bus routes such as Routes 1, 6, and 8 operated by SunLine Transit Agency.
GOAL 10:	Promote conservation of natural and agricultural lands and restoration of habitats.	Consistent: The Project will conserve 754 acres of natural open space.
Source: 1. Southern California Association of Governments, <i>Connect SoCal (2024 – 2050 Regional Transportation Plan/Sustainable Communities Strategy)</i> , 2024. 2. Southern California Association of Governments, <i>Connect SoCal (2020 - 2045 Regional Transportation Plan/Sustainable Communities Strategy)</i> , 2020.		

Compliance with applicable State standards would ensure consistency with State and regional GHG reduction planning efforts. The goals stated in the 2024 and 2020 RTP/SCS were used to determine consistency with the planning efforts previously stated. As shown in [Table 7](#), the proposed Project would be consistent with the stated goals of the 2024 and 2020 RTP/SCS. Therefore, the proposed Project would not result in any significant impacts or interfere with SCAG's ability to achieve the region's GHG emission reduction target of 19 percent by the year 2035 or the post-2020 mobile source GHG reduction targets.

California Air Resource Board Scoping Plan Consistency

Adopted December 15, 2022, CARB's 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan) sets a path to achieve targets for carbon neutrality and reduce anthropogenic GHG emissions by 85 percent below 1990 levels by 2045 in accordance with AB 1279. To achieve the targets of AB 1279, the 2022 Scoping Plan relies on existing and emerging fossil fuel alternatives and clean technologies, as well as carbon capture and storage. Specifically, the 2022 Scoping Plan focuses on zero-emission transportation; phasing out use of fossil gas use for heating homes and buildings; reducing chemical and refrigerants with high GWP; providing communities with sustainable options for walking, biking, and public transit; displacement of fossil-fuel fired electrical generation through use of renewable energy alternatives (e.g., solar arrays and wind turbines); and scaling up new options such as green hydrogen. The 2022 Scoping Plan sets one of the most aggressive approaches to reach carbon neutrality in the world. Unlike the 2017 Scoping Plan, CARB no longer includes a numeric per capita threshold and instead advocates for compliance with a local GHG reduction strategy (i.e., Climate Action Plan) consistent with CEQA Guidelines section 15183.5.

The California State Legislature adopted Assembly Bill (AB) 32 in 2006. AB 32 focuses on reducing GHGs (CO₂, CH₄, N₂O, HFCs, PFCs, and SF₆) to 1990 levels by the year 2020. Pursuant to the requirements in AB 32, CARB adopted the *Climate Change Scoping Plan* (Scoping Plan) in 2008, which outlines actions recommended to obtain that goal. The Scoping Plan provides a range of GHG reduction actions that include direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives,

voluntary actions, market-based mechanisms such as the cap-and-trade program, and an AB 32 implementation fee to fund the program.

The key elements of the 2022 CARB Scoping Plan focus on transportation. Specifically, the 2022 Scoping Plan aims to rapidly move towards zero-emission (ZE) transportation (i.e., electrifying cars, buses, trains, and trucks), which constitutes California's single largest source of GHGs. The regulations that impact the transportation sector are adopted and enforced by CARB on vehicle manufacturers and are outside the jurisdiction and control of local governments. The 2022 Scoping Plan accelerates development of new regulations as well as amendments to strengthen regulations and programs already in place. Statewide strategies to reduce GHG emissions in the latest 2022 Scoping Plan include:

- Implementing SB 100 (achieve 100 percent clean electricity by 2045);
- Achieving 100 percent zero emission vehicle sales in 2035 through Advanced Clean Cars II; and
- Implementing the Advanced Clean Fleets regulation to deploy zero-emission vehicle (ZEV) buses and trucks.

Additional transportation policies include the Off-Road Zero-Emission Targeted Manufacturer rule, Clean Off-Road Fleet Recognition Program, In-use Off-Road Diesel-Fueled Fleets Regulation, Clean Off-Road Fleet Recognition Program, and Amendments to the In-use Off-Road Diesel-Fueled Fleets Regulation. The 2022 Scoping Plan would continue to implement SB 375. GHGs would be further reduced through the Cap-and-Trade Program carbon pricing and SB 905. SB 905 requires CARB to create the Carbon Capture, Removal, Utilization, and Storage Program to evaluate, demonstrate, and regulate carbon dioxide removal projects and technology.

As shown in [Table 5](#), approximately 96 percent of the Project's mitigated GHG emissions are from energy and mobile sources which would be further reduced by the 2022 Scoping Plan measures described above. It should be noted that the City has no control over vehicle emissions (approximately 80 percent of the Project's total emissions). However, these emissions would decline in the future due to Statewide measures discussed above, as well as cleaner technology and fleet turnover.

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.

Scoping Plan Appendix D, Local Actions

Included in the 2022 Scoping Plan is a set of Local Actions (2022 Scoping Plan Appendix D) aimed at providing local jurisdictions without a CEQA-qualified CAP with the tools needed 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.¹⁶ CARB

¹⁶ California Air Resources Board, *2022 Scoping Plan for Achieving Carbon Neutrality, Appendix D: Local Actions*, Page 21, November 2022.

specifically states that Appendix D does not address other land uses (e.g., industrial).¹⁷ However, CARB plans to explore new approaches for other land use types in the future.¹⁸

CARB Scoping Plan Appendix D lists potential actions that support the State's climate goals. However, the Scoping Plan notes that the applicability and performance of the actions may vary across the regions. The document is organized into two categories (A) examples of plan-level GHG reduction actions that could be implemented by local governments and (B) examples of on-site project design features, mitigation measures, that could be required of individual projects under CEQA, if feasible, when the local jurisdiction is the lead agency.

Appendix D notes that project consistency with the Scoping Plan can be determined through consistency with a qualified CAP, and absent consistency with a qualified CAP the State recommends that residential and mixed-use projects meet the following three priority areas will reduce GHG emissions and should accommodate growth in a manner consistent with State GHG reduction and equity prioritization goals. These project attributes are intended to help local jurisdictions qualitatively identify projects that are clearly consistent with the Scoping Plan. Appendix D also notes that lead agencies may determine, with adequate additional supporting evidence, that projects that incorporate some, but not all, of the key project attributes are consistent with the State's climate goals.¹⁹

- Transportation Electrification. Table 3 in the 2022 Scoping Plan, Appendix D, notes that to be clearly consistent with the State's goals, projects should provide EV charging infrastructure that, at minimum, meets the most ambitious voluntary standard in the CALGreen code. The Project is consistent with this attribute as **MM GHG-2** requires Project EV charging to meet 2022 CALGreen Tier 2 standards.
- VMT Reduction. The Scoping Plan notes that to be consistent with the VMT reduction attribute, projects should be located on infill sites that are surrounded by existing urban uses or redevelop previously undeveloped or underutilized land that is presently served by existing utilities and essential public services (e.g., transit, streets, water, sewer); does not result in the loss or conversion of natural and working lands; and either consists of transit-supportive densities (minimum of 20 residential dwelling units per acre), is within a half mile of existing transit stops, or satisfies more detailed criteria in the regions Sustainable Communities Strategy.

In this case, the proposed Project is not located in an infill site surrounded by existing urban uses and is not served by existing utilities and public services. However, the Project will conserve 754 acres of natural open space and designate 68 acres for agricultural production. As shown in Table 7: Regional Transportation Plan/Sustainable Communities Strategy Consistency Although the scale of the Project limits infill as a viable option, the Project is designed as a multi- and mixed-use specific plan that incorporates varied uses as a means to reduce VMT as compared to a singular project.

¹⁷ California Air Resources Board, 2022 Scoping Plan for Achieving Carbon Neutrality, Appendix D: Local Actions, Page 4, November 2022.

¹⁸ California Air Resources Board, 2022 Scoping Plan for Achieving Carbon Neutrality, Appendix D: Local Actions, Page 21, November 2022.

¹⁹ California Air Resources Board, 2022 Scoping Plan for Achieving Carbon Neutrality, Appendix D: Local Actions, Page 23, November 2022.

Although the Project does not achieve all the key attributes under VMT reduction, the Project also includes **MM AQ-3** which implements a Commute Trip Reduction (CTR) / Transportation Demand Management (TDM) program to reduce VMT and GHG emissions. The CRT/TDM program will discourage single-occupancy vehicle trips and encourage alternative modes of transportation such as carpooling, taking transit, walking, and biking. The Project Applicant will consult with local transit providers to provide infrastructure to connect the Project with transit services.

- **Building Decarbonization.** Building decarbonization involves maximizing energy efficiency and reducing the use of fossil fuel energy. **MM GHG-1** requires the Project to include renewable solar energy, **MM GHG-2** requires the Project to meet 2022 CALGreen Tier 2 energy efficiency standards and use all electric appliances in residential uses, **MM GHG-4** requires electric Energy Star rated appliances, and **MM AQ-5** requires the use of electric landscape equipment.

However, as discussed previously, the City Coachella has adopted a CEQA-qualified CAP and as shown in Table 6, the Project is consistent with the Coachella CAP. The Coachella CAP includes a local plan to reduce GHG emissions and VMT reduction targets by 2035. As noted in Scoping Plan Appendix D, consistency with a qualified CAP ensures consistency with the Scoping Plan, therefore the Project is consistent with 2022 Scoping Plan and would result in a less than significant with mitigation incorporated.

Conclusion

The proposed Project would be consistent with the City's CAP, SCAG's RTP/SCS, the CARB Scoping Plan, and would be required to comply with existing regulations, including applicable measures from the City's General Plan. The Project would be directly affected by the outcomes (vehicle trips and energy consumption would be less carbon intensive due to statewide compliance with future low carbon fuel standard amendments and increasingly stringent Renewable Portfolio Standards). As such, the Project would not conflict with any other State-level regulations pertaining to GHGs.

As shown in Error! Reference source not found.5, approximately 96 percent of the Project's GHG emissions are from energy and mobile sources which would be further reduced by the 2022 Scoping Plan measures described above. The City has no control over vehicle emissions (approximately 83 percent of the Project's total emissions). However, these emissions would decline in the future due to statewide measures discussed above (including the reduction in fuels' carbon content, CARB's Advanced Clean Car Program, CARB's Mobile Source Strategy, fuel efficiency standards, etc.), as well as cleaner technology and fleet turnover. SCAG's 2020 RTP/SCS is also expected to help California reach its GHG reduction goals, with reductions in per capita transportation emissions of 19 percent by 2035.²⁰ The Project includes a mix of residential, hotel, commercial, educational, and park land uses that would potentially reducing the need to travel long distances for some residents and reducing associated GHG emissions.²¹

At this time, it is not possible to quantify the emissions savings from future regulatory measures that have not yet been developed; nevertheless, it can be anticipated that Project operations would benefit from applicable measures are enacted to meet State GHG reduction goals. The Project would not impede the State's progress towards carbon neutrality by 2045 under the 2022 Scoping Plan. The Project would be

²⁰ California Air Resources Board, *SB 375 Regional Plan Climate Targets*, <https://ww2.arb.ca.gov/our-work/programs/sustainable-communities-program/regional-plan-targets>

²¹ The California Air Pollution Control Officers Association, *Quantifying Greenhouse Gas Mitigation Measures* (August 2010) identifies that infill developments, such as the proposed Project reduce vehicle miles traveled which reduces fuel consumption. Infill projects such as the proposed Project would have an improved location efficiency.

required to comply with applicable current and future regulatory requirements promulgated through the 2022 Scoping Plan.

As identified in the Project's Air Quality Assessment, **MM AQ-3** would reduce mobile source emissions through the implementation of a TDM program. PPPs GHG-1 through GHG-4, as required by the California Building Code, would provide designated parking to promote the use of alternative fuels and clean fleets, water-efficient irrigation systems and devices, Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste, facilitate future installation of electric vehicle supply equipment, and limit idling times. Further, **MM GHG-1** requires the Project to install solar photovoltaic systems and **MM GHG-2** requires the Project to meet or exceed 2022 CALGreen Tier 2 standards to further improve energy efficiency. **MM GHG-3** requires the Project to divert 75 percent of waste from landfills. **MM GHG-4** requires the residential projects to use energy efficient appliances. In conclusion, the Project does not conflict with the applicable plans that are discussed above. However, as noted in [Table 5](#), the Project would generate 167,366.65 MTCO₂e during the first year of Project Buildout. As a result, although the Project is consistent with all applicable City and State plans designed to meet California's future GHG goals, this project is conservatively assumed to result in a significant and unavoidable impact with mitigation incorporated.

Offsite Improvements

Offsite improvements were modeled in CalEEMod and are assumed to begin construction during Phase 1 to support future phases of the Project. Offsite improvements include improvements to Vista del Norte, developing a construction staging area, powerlines, a natural gas regulator station, well supply system, installing low-voltage cables (telephone lines and cable), and a sewer system. Furthermore, operational GHG emissions impacts associated with the offsite improvements would not be such that they would exceed the impact thresholds, as these uses do not generate substantial traffic, nor do they produce significant operational GHG emissions. Applicable Project mitigation measures identified will be required for off-site improvement construction. Through adherence and compliance with mitigation measures, guidelines and existing regulations, including 2022 CalGreen Tier 2 standards and the City's General Plan and Municipal Code, impacts are anticipated to be less than significant.

Plans, Programs, and Policies (PPPs):

PPPs are existing requirements that are based on local, state, or federal regulations or laws that are frequently required independently of CEQA review. Typical PPPs include compliance with the provisions of the Building Code, SCAQMD Rules, etc. The City may impose additional conditions during the approval process, as appropriate. Because PPPs are neither project-specific nor a result of development of the Project, they are not considered to be either Project Design Features or Mitigation Measures.

PPP GHG-1	Require diesel powered construction equipment to turn off when not in use per Title 13 of the California Code of Regulations, Section 2449.
PPP GHG-2	Install water-efficient irrigation systems and devices, such as soil moisture-based irrigation controls and sensors for landscaping according to the City's Water Efficient Landscape requirements (Chapter 8 section 8.44.220 of the City's Municipal Code).
PPP GHG-3	The Project shall be designed in accordance with the applicable Title 24 Energy Efficiency Standards for Residential and Nonresidential Buildings (California Code of Regulations [CCR], Title 24, Part 6). These standards are updated, nominally every three years, to

incorporate improved energy efficiency technologies and methods. The Building Official, or designee shall ensure compliance prior to the issuance of each building permit. The Title 24 Energy Efficiency Standards (Section 110.10(b)) require buildings to be designed to have no less than 15 percent of the total roof area of the building excluding any skylight area be “solar ready” which will structurally accommodate later installation of rooftop solar panels. If future building operators pursue providing rooftop solar panels, they will submit plans for solar panels prior to occupancy.

PPP GHG-4 The Project shall be designed in accordance with the applicable California Green Building Standards (CALGreen) Code (24 CCR, Part 11). The Building Official, or designee shall ensure compliance prior to the issuance of each building permit. These requirements include, but are not limited to:

- Design buildings to be water-efficient. Install water-efficient fixtures in accordance with Section 4.303 (residential) and Section 5.303 (nonresidential) of the California Green Building Standards Code Part 11.
- Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 4.408.1 (residential) and Section 5.408.1 (nonresidential) of the California Green Building Standards Code Part 11.
- Provide storage areas for recyclables and green waste and adequate recycling containers located in readily accessible areas in accordance with Section 4.410 (residential) and Section 5.410 (nonresidential) of the California Green Building Standards Code Part 11.
- To facilitate future installation of electric vehicle supply equipment (EVSE), residential construction shall comply with Section 4.106.4 (residential electric vehicle charging) of the California Green Building Standards Code Part 11 and nonresidential construction shall comply with Section 5.106.5.3 (nonresidential electric vehicle charging) of the California Green Building Standards Code Part 11.

Mitigation Measures: Refer to **MM AQ-1** through **MM AQ-6** in the Air Quality Assessment and the following **MM GHG-1** through **MM GHG-5**.

MM GHG-1 Prior to the issuance of each building’s permit, the Project Applicant shall be required to install solar photovoltaic (PV) panels or other source of renewable electricity generation on-site, based on the maximum roof area available for solar (i.e., solar-ready zone). The solar-ready zone shall comply with Section 110.10 of the 2022 California Energy Code and shall comply with access, pathway, ventilation, and spacing requirements, and exclude skylight area. All single-family homes shall provide 25 percent of projected electricity demand via on-site solar; multifamily and nonresidential projects shall provide 50 percent of projected energy demand via on-site solar.

The final PV generation facility size requires approval by Southern California Edison (SCE). SCE’s Rule 21 governs operating and metering requirements for any facility connected to SCE’s distribution system. Should SCE limit the off-site export, the proposed Project may

utilize a battery energy storage system (BESS) to lower off-site export while maintaining on-site renewable generation to off-set consumption.

The electrical system and infrastructure must be clearly labeled with noticeable and permanent signage. The schedule of photovoltaic system locations may be updated as needed.

MM GHG-2 Prior to the issuance of a Phase 1, Phase 2, Phase 3, Phase 4, Phase 5, and Phase 6 building permits, the Project Applicant or successor in interest shall provide documentation to the City of Coachella demonstrating the following:

- The Project shall be designed to meet or exceed 2022 CALGreen Tier 2 standards.
- The installation of natural gas in all residential uses shall be prohibited.
- The Project shall provide facilities to support electric charging stations per Section A5.106.5.3 (Nonresidential Voluntary Measures) and Section A5.106.8.2 (Residential Voluntary Measures) of the 2022 CALGreen Code. Each single-family home shall include one low power Level 2 EV charging receptacle at minimum.
- The Applicant shall coordinate with the City of Coachella and SunLine Transit Agency to ensure that bus pad and shelter improvements are incorporated, as appropriate.

MM GHG-3 The development (Phase 1, Phase 2, Phase 3, Phase 4, Phase 5, and Phase 6) shall divert a minimum of 75 percent of landfill waste. Prior to issuance of certificate of occupancy, a recyclables collection and load area shall be constructed in compliance with the City standards for Recyclable Collection and Loading Areas.

MM GHG-4 For residential projects, all major applicant provided appliances (e.g., dishwashers, refrigerators, clothes washers and dryers, and water heaters) provided/installed shall be Energy Star certified or of equivalent energy efficiency where applicable. Prior to the issuance of the certificate of occupancy, the City of Coachella shall verify implementation of this requirement. Installation of Energy Star–certified or equivalent appliances shall be verified by the Planning and Building Department during plan check.

Level of Significance: Significant and unavoidable. The Project is consistent with City of Coachella CAP, Regional Transportation Plan/Sustainable Communities Strategy, and CARB Scoping Plan and does not conflict with the applicable plans and policies that are discussed above. However, the Project is a mix-use Specific Plan and due to the nature and size of the Project, it produces tremendous number of vehicular trips. As explained above, the Project incorporates all feasible mitigation measures that could be implemented and there are no additional measures available that would further reduce emissions because the vast majority of the Project’s GHG emissions are from mobile and energy sources which are regulated by the State and the Project has no control over them. However, as noted in [Table 5](#), the Project would generate 167,366.65 MTCO₂e during the first year of Project Buildout and as a result, the project is assumed to result in a significant and unavoidable impact even with mitigation incorporated.

5.2 Cumulative Setting, Impacts, and Mitigation Measures

Cumulative Setting

Climate change is a global problem. GHGs are global pollutants, unlike criteria air pollutants and toxic air contaminants, which are pollutants of regional and local concern. Whereas pollutants with localized air quality effects have relatively short atmospheric lifetimes (approximately one day), GHGs have much longer atmospheric lifetimes of one year to several thousand years that allow them to be dispersed around the globe.

Cumulative Impacts

It is generally the case that an individual project of this size and nature is of insufficient magnitude by itself to influence climate change or result in a substantial contribution to the global GHG inventory. For example, global GHG emissions in 2022 totaled 53,786 million tons of CO₂e²² while the Project at buildout would generate 0.167 million tons of CO₂e. However, GHG impacts are recognized as exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective. The additive effect of Project-related GHGs would not result in a reasonably foreseeable cumulatively considerable contribution to global climate change. In addition, the proposed Project as well as other cumulative related projects, would be subject to all applicable regulatory requirements, which would further reduce GHG emissions. The proposed Project would be consistent with the applicable GHG reduction plans, including City's CAP, SCAG's Connect SoCal, and the CARB Scoping Plan. However, based on the amount of emissions generated by the Project, the cumulative GHG emissions could be considered significant in the context of the State's GHG reduction targets. As a result, the Project's cumulative contribution of GHG emissions would be cumulatively considerable.

Mitigation Measures: Refer to **MM AQ-1** through **MM AQ-6** in the Air Quality Assessment and **MM GHG-1** through **MM GHG-4**, above.

Level of Significance: Significant and unavoidable.

²² Emission Database for Global Atmospheric Research. 2023. *GHG emissions of all World Countries*

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Appendix A

Greenhouse Gas Emissions Data

KPC Coachella Phase 1 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	KPC Coachella Phase 1
Construction Start Date	1/1/2025
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.71012189544473, -116.11268662967248
County	Riverside-Salton Sea
City	Coachella
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5680
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.28

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
General Office Building	292	1000sqft	6.71	292,477	0.00	—	—	—

Other Asphalt Surfaces	70.0	Acre	70.0	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	117	Acre	117	0.00	0.00	—	—	—
Parking Lot	107	Acre	107	0.00	0.00	—	—	—
City Park	89.9	Acre	89.9	0.00	3,916,044	3,916,044	—	—
Hotel	375	Room	6.00	544,500	0.00	—	—	—
Apartments Mid Rise	349	Dwelling Unit	4.50	335,040	0.00	—	1,127	—
Regional Shopping Center	577	1000sqft	13.3	577,428	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-9	Use Dust Suppressants
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Construction	C-13	Use Low-VOC Paints for Construction
Transportation	T-5	Implement Commute Trip Reduction Program (Voluntary)
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Energy	E-12-B	Install Electric Space Heater in Place of Natural Gas Heaters in Residences
Energy	E-13	Install Electric Ranges in Place of Gas Ranges
Waste	S-1/S-2	Implement Waste Reduction Plan

Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

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.	42.1	40.0	77.1	176	0.21	2.74	39.9	42.6	2.52	20.3	22.9	—	36,344	36,344	0.94	1.69	60.5	36,928
Mit.	13.7	13.1	38.6	179	0.21	0.47	15.9	16.1	0.46	8.02	8.22	—	36,344	36,344	0.94	1.69	60.5	36,928
% Reduced	67%	67%	50%	-2%	—	83%	60%	62%	82%	61%	64%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	42.0	39.9	81.7	146	0.22	2.74	39.9	42.6	2.52	20.3	22.9	—	34,785	34,785	0.97	1.77	1.72	35,336
Mit.	13.2	12.5	40.5	149	0.22	0.47	15.9	16.1	0.47	8.02	8.22	—	34,785	34,785	0.97	1.77	1.72	35,336
% Reduced	69%	69%	50%	-2%	—	83%	60%	62%	81%	61%	64%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	28.6	27.4	49.3	97.0	0.14	1.74	16.9	18.6	1.60	7.31	8.91	—	21,965	21,965	0.53	1.15	17.9	22,303
Mit.	8.88	8.48	24.8	99.3	0.14	0.29	9.08	9.37	0.29	3.16	3.35	—	21,965	21,965	0.53	1.15	17.9	22,303
% Reduced	69%	69%	50%	-2%	—	83%	46%	50%	82%	57%	62%	—	—	—	—	—	—	—

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.23	4.99	8.99	17.7	0.02	0.32	3.08	3.39	0.29	1.33	1.63	—	3,637	3,637	0.09	0.19	2.97	3,693
Mit.	1.62	1.55	4.52	18.1	0.02	0.05	1.66	1.71	0.05	0.58	0.61	—	3,637	3,637	0.09	0.19	2.97	3,693
% Reduced	69%	69%	50%	-2%	—	83%	46%	50%	82%	57%	62%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—	Yes	—	—	—	—	—	—	—	—	—	—
Mit.	—	—	—	—	—	—	—	Yes	—	—	—	—	—	—	—	—	—	—

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	8.10	6.82	63.9	63.9	0.12	2.74	39.9	42.6	2.52	20.3	22.9	—	13,814	13,814	0.55	0.17	2.84	13,882
2026	10.1	8.69	56.6	134	0.17	1.72	12.2	13.9	1.59	2.96	4.55	—	29,500	29,500	0.94	1.60	57.1	30,058
2027	42.1	40.0	77.1	176	0.21	2.29	14.7	17.0	2.12	3.54	5.66	—	36,344	36,344	0.84	1.69	60.5	36,928
2028	28.9	28.7	8.67	22.9	0.02	0.15	1.98	2.14	0.14	0.46	0.61	—	3,455	3,455	0.07	0.08	5.73	3,488
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	10.1	8.54	63.9	109	0.17	2.74	39.9	42.6	2.52	20.3	22.9	—	28,222	28,222	0.97	1.60	1.62	28,725
2026	42.0	39.9	81.7	146	0.22	2.60	14.7	17.3	2.40	3.54	5.94	—	34,785	34,785	0.88	1.77	1.72	35,336
2027	41.4	39.3	78.1	142	0.22	2.29	14.7	17.0	2.12	3.54	5.66	—	34,367	34,367	0.86	1.69	1.57	34,892
2028	32.0	31.5	22.4	39.0	0.05	0.67	2.46	3.13	0.62	0.58	1.20	—	6,818	6,818	0.21	0.16	0.20	6,872
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.91	4.99	43.2	51.3	0.09	1.74	16.9	18.6	1.60	7.31	8.91	—	11,625	11,625	0.43	0.33	4.70	11,739
2026	9.32	8.20	43.3	86.3	0.13	1.33	8.88	10.2	1.23	2.15	3.38	—	21,090	21,090	0.48	1.15	17.9	21,462
2027	28.6	27.4	49.3	97.0	0.14	1.47	9.08	10.5	1.36	2.19	3.55	—	21,965	21,965	0.53	1.03	16.1	22,303
2028	6.95	6.88	2.59	5.45	0.01	0.06	0.49	0.54	0.05	0.11	0.17	—	918	918	0.02	0.02	0.62	926
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.08	0.91	7.88	9.37	0.02	0.32	3.08	3.39	0.29	1.33	1.63	—	1,925	1,925	0.07	0.05	0.78	1,944
2026	1.70	1.50	7.91	15.8	0.02	0.24	1.62	1.86	0.23	0.39	0.62	—	3,492	3,492	0.08	0.19	2.97	3,553
2027	5.23	4.99	8.99	17.7	0.02	0.27	1.66	1.92	0.25	0.40	0.65	—	3,637	3,637	0.09	0.17	2.67	3,693
2028	1.27	1.26	0.47	0.99	< 0.005	0.01	0.09	0.10	0.01	0.02	0.03	—	152	152	< 0.005	< 0.005	0.10	153

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.46	1.43	8.11	72.2	0.12	0.25	15.9	16.1	0.25	8.02	8.22	—	13,814	13,814	0.55	0.17	2.84	13,882
2026	5.55	5.03	27.7	138	0.17	0.37	12.2	12.6	0.36	2.96	3.32	—	29,500	29,500	0.94	1.60	57.1	30,058
2027	13.7	13.1	38.6	179	0.21	0.47	14.7	15.1	0.46	3.54	4.00	—	36,344	36,344	0.84	1.69	60.5	36,928
2028	6.41	6.31	7.21	21.5	0.02	0.04	1.98	2.02	0.04	0.46	0.50	—	3,455	3,455	0.07	0.08	5.73	3,488
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	5.10	4.55	29.4	112	0.17	0.37	15.9	16.1	0.37	8.02	8.22	—	28,222	28,222	0.97	1.60	1.62	28,725
2026	13.2	12.5	40.5	149	0.22	0.47	14.7	15.1	0.47	3.54	4.01	—	34,785	34,785	0.88	1.77	1.72	35,336
2027	13.0	12.4	39.6	146	0.22	0.47	14.7	15.1	0.46	3.54	4.00	—	34,367	34,367	0.86	1.69	1.57	34,892
2028	8.11	8.07	11.6	39.0	0.05	0.10	2.46	2.56	0.10	0.58	0.68	—	6,818	6,818	0.21	0.16	0.20	6,872
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.54	1.45	8.43	56.2	0.09	0.19	7.87	8.06	0.19	3.16	3.35	—	11,625	11,625	0.43	0.33	4.70	11,739
2026	4.32	3.93	21.2	89.1	0.13	0.27	8.88	9.15	0.27	2.15	2.42	—	21,090	21,090	0.48	1.15	17.9	21,462
2027	8.88	8.48	24.8	99.3	0.14	0.29	9.08	9.37	0.29	2.19	2.48	—	21,965	21,965	0.53	1.03	16.1	22,303
2028	1.56	1.55	1.87	5.17	0.01	0.01	0.49	0.50	0.01	0.11	0.12	—	918	918	0.02	0.02	0.62	926
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.28	0.26	1.54	10.3	0.02	0.03	1.44	1.47	0.03	0.58	0.61	—	1,925	1,925	0.07	0.05	0.78	1,944
2026	0.79	0.72	3.86	16.3	0.02	0.05	1.62	1.67	0.05	0.39	0.44	—	3,492	3,492	0.08	0.19	2.97	3,553
2027	1.62	1.55	4.52	18.1	0.02	0.05	1.66	1.71	0.05	0.40	0.45	—	3,637	3,637	0.09	0.17	2.67	3,693
2028	0.28	0.28	0.34	0.94	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	152	152	< 0.005	< 0.005	0.10	153

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.	137	128	87.7	862	2.03	2.43	167	170	2.32	42.4	44.7	954	239,957	240,912	106	9.44	1,358	247,743
Mit.	119	111	86.0	780	2.02	2.23	167	169	2.16	42.4	44.5	409	227,708	228,117	50.5	9.27	1,358	233,502
% Reduced	13%	13%	2%	10%	1%	8%	—	< 0.5%	7%	—	< 0.5%	57%	5%	5%	53%	2%	—	6%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	111	103	93.5	529	1.81	2.31	167	169	2.24	42.4	44.6	954	217,574	218,529	107	9.68	870	224,951
Mit.	106	98.2	92.5	528	1.80	2.24	167	169	2.16	42.4	44.5	409	205,594	206,003	50.8	9.52	870	210,980
% Reduced	5%	5%	1%	< 0.5%	< 0.5%	3%	—	< 0.5%	3%	—	< 0.5%	57%	6%	6%	52%	2%	—	6%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	120	112	86.0	643	1.87	2.00	166	168	1.91	42.2	44.1	954	220,602	221,556	106	9.49	1,074	228,119
Mit.	109	101	84.6	602	1.86	1.86	166	168	1.79	42.2	44.0	409	208,489	208,898	50.5	9.33	1,074	214,014
% Reduced	9%	10%	2%	6%	< 0.5%	7%	—	< 0.5%	6%	—	< 0.5%	57%	5%	6%	53%	2%	—	6%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.9	20.5	15.7	117	0.34	0.36	30.3	30.7	0.35	7.70	8.05	158	36,523	36,681	17.6	1.57	178	37,768
Mit.	19.8	18.5	15.4	110	0.34	0.34	30.3	30.7	0.33	7.70	8.02	67.7	34,518	34,585	8.36	1.55	178	35,433
% Reduced	9%	10%	2%	6%	< 0.5%	7%	—	< 0.5%	6%	—	< 0.5%	57%	5%	6%	53%	2%	—	6%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	No	—	—	—	—	—	—	—
Mit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	No	—	—	—	—	—	—	—

Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	No	—	—	—	—	—	—	—
Mit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	No	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,000
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes
Mit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes

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	79.1	72.3	74.1	772	1.95	1.30	167	168	1.22	42.4	43.6	—	199,034	199,034	6.54	8.49	501	202,229
Area	56.8	55.5	5.63	83.4	0.04	0.52	—	0.52	0.49	—	0.49	0.00	6,552	6,552	0.13	0.01	—	6,560
Energy	0.89	0.45	8.06	6.30	0.05	0.62	—	0.62	0.62	—	0.62	—	33,554	33,554	3.73	0.37	—	33,756
Water	—	—	—	—	—	—	—	—	—	—	—	227	817	1,044	23.4	0.56	—	1,797
Waste	—	—	—	—	—	—	—	—	—	—	—	727	0.00	727	72.7	0.00	—	2,544
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	857	857
Total	137	128	87.7	862	2.03	2.43	167	170	2.32	42.4	44.7	954	239,957	240,912	106	9.44	1,358	247,743
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	65.8	59.1	80.5	521	1.73	1.30	167	168	1.22	42.4	43.6	—	176,957	176,957	6.82	8.74	13.0	179,744

Area	44.0	43.7	4.92	2.09	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,246	6,246	0.12	0.01	—	6,253
Energy	0.89	0.45	8.06	6.30	0.05	0.62	—	0.62	0.62	—	0.62	—	33,554	33,554	3.73	0.37	—	33,756
Water	—	—	—	—	—	—	—	—	—	—	—	227	817	1,044	23.4	0.56	—	1,797
Waste	—	—	—	—	—	—	—	—	—	—	—	727	0.00	727	72.7	0.00	—	2,544
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	857	857
Total	111	103	93.5	529	1.81	2.31	167	169	2.24	42.4	44.6	954	217,574	218,529	107	9.68	870	224,951
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	69.3	62.6	77.2	597	1.81	1.30	166	168	1.22	42.2	43.4	—	185,652	185,652	6.60	8.56	216	188,585
Area	49.7	49.3	0.68	40.3	< 0.005	0.09	—	0.09	0.07	—	0.07	0.00	579	579	0.01	< 0.005	—	580
Energy	0.89	0.45	8.06	6.30	0.05	0.62	—	0.62	0.62	—	0.62	—	33,554	33,554	3.73	0.37	—	33,756
Water	—	—	—	—	—	—	—	—	—	—	—	227	817	1,044	23.4	0.56	—	1,797
Waste	—	—	—	—	—	—	—	—	—	—	—	727	0.00	727	72.7	0.00	—	2,544
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	857	857
Total	120	112	86.0	643	1.87	2.00	166	168	1.91	42.2	44.1	954	220,602	221,556	106	9.49	1,074	228,119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.7	11.4	14.1	109	0.33	0.24	30.3	30.6	0.22	7.70	7.92	—	30,737	30,737	1.09	1.42	35.8	31,222
Area	9.08	8.99	0.12	7.35	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	95.8	95.8	< 0.005	< 0.005	—	96.0
Energy	0.16	0.08	1.47	1.15	0.01	0.11	—	0.11	0.11	—	0.11	—	5,555	5,555	0.62	0.06	—	5,589
Water	—	—	—	—	—	—	—	—	—	—	—	37.6	135	173	3.87	0.09	—	298
Waste	—	—	—	—	—	—	—	—	—	—	—	120	0.00	120	12.0	0.00	—	421
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	142	142
Total	21.9	20.5	15.7	117	0.34	0.36	30.3	30.7	0.35	7.70	8.05	158	36,523	36,681	17.6	1.57	178	37,768

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	79.1	72.3	74.1	772	1.95	1.30	167	168	1.22	42.4	43.6	—	199,034	199,034	6.54	8.49	501	202,229
Area	39.0	38.7	4.92	2.09	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,246	6,246	0.12	0.01	—	6,253
Energy	0.78	0.39	7.06	5.57	0.04	0.54	—	0.54	0.54	—	0.54	—	21,610	21,610	2.33	0.21	—	21,730
Water	—	—	—	—	—	—	—	—	—	—	—	227	817	1,044	23.4	0.56	—	1,797
Waste	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	636
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	857	857
Total	119	111	86.0	780	2.02	2.23	167	169	2.16	42.4	44.5	409	227,708	228,117	50.5	9.27	1,358	233,502
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	65.8	59.1	80.5	521	1.73	1.30	167	168	1.22	42.4	43.6	—	176,957	176,957	6.82	8.74	13.0	179,744
Area	39.0	38.7	4.92	2.09	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,246	6,246	0.12	0.01	—	6,253
Energy	0.78	0.39	7.06	5.57	0.04	0.54	—	0.54	0.54	—	0.54	—	21,573	21,573	2.32	0.21	—	21,693
Water	—	—	—	—	—	—	—	—	—	—	—	227	817	1,044	23.4	0.56	—	1,797
Waste	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	636
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	857	857
Total	106	98.2	92.5	528	1.80	2.24	167	169	2.16	42.4	44.5	409	205,594	206,003	50.8	9.52	870	210,980
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	69.3	62.6	77.2	597	1.81	1.30	166	168	1.22	42.2	43.4	—	185,652	185,652	6.60	8.56	216	188,585
Area	38.5	38.4	0.34	0.14	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	428	428	0.01	< 0.005	—	428
Energy	0.78	0.39	7.06	5.57	0.04	0.54	—	0.54	0.54	—	0.54	—	21,591	21,591	2.33	0.21	—	21,711
Water	—	—	—	—	—	—	—	—	—	—	—	227	817	1,044	23.4	0.56	—	1,797
Waste	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	636
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	857	857
Total	109	101	84.6	602	1.86	1.86	166	168	1.79	42.2	44.0	409	208,489	208,898	50.5	9.33	1,074	214,014
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	12.7	11.4	14.1	109	0.33	0.24	30.3	30.6	0.22	7.70	7.92	—	30,737	30,737	1.09	1.42	35.8	31,222
Area	7.02	7.01	0.06	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	70.8	70.8	< 0.005	< 0.005	—	70.9
Energy	0.14	0.07	1.29	1.02	0.01	0.10	—	0.10	0.10	—	0.10	—	3,575	3,575	0.39	0.03	—	3,595
Water	—	—	—	—	—	—	—	—	—	—	—	37.6	135	173	3.87	0.09	—	298
Waste	—	—	—	—	—	—	—	—	—	—	—	30.1	0.00	30.1	3.01	0.00	—	105
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	142	142
Total	19.8	18.5	15.4	110	0.34	0.34	30.3	30.7	0.33	7.70	8.02	67.7	34,518	34,585	8.36	1.55	178	35,433

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.88	6.62	63.3	60.4	0.10	2.73	—	2.73	2.51	—	2.51	—	10,591	10,591	0.43	0.09	—	10,627
Dust From Material Movement	—	—	—	—	—	—	39.3	39.3	—	20.2	20.2	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm ent	7.88	6.62	63.3	60.4	0.10	2.73	—	2.73	2.51	—	2.51	—	10,591	10,591	0.43	0.09	—	10,627
Dust From Material Movement	—	—	—	—	—	—	39.3	39.3	—	20.2	20.2	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	1.62	1.36	13.0	12.4	0.02	0.56	—	0.56	0.52	—	0.52	—	2,176	2,176	0.09	0.02	—	2,184
Dust From Material Movement	—	—	—	—	—	—	8.08	8.08	—	4.15	4.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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 ent	0.30	0.25	2.37	2.26	< 0.005	0.10	—	0.10	0.09	—	0.09	—	360	360	0.01	< 0.005	—	362
Dust From Material Movement	—	—	—	—	—	—	1.47	1.47	—	0.76	0.76	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.20	0.18	0.18	3.34	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	520	520	0.02	0.02	1.80	527
Vendor	0.02	0.01	0.40	0.18	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	380	380	< 0.005	0.05	1.05	396
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.16	0.14	0.20	1.90	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	442	442	0.02	0.02	0.05	448
Vendor	0.02	0.01	0.43	0.18	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	380	380	< 0.005	0.05	0.03	395
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.04	0.49	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	97.1	97.1	< 0.005	< 0.005	0.16	98.4
Vendor	< 0.005	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	78.1	78.1	< 0.005	0.01	0.09	81.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.1	16.1	< 0.005	< 0.005	0.03	16.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.02	13.5
Hauling	0.00	0.00	0.00	0.00	0.00	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. Site Preparation (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	1.00	5.18	56.6	0.10	0.20	—	0.20	0.20	—	0.20	—	10,591	10,591	0.43	0.09	—	10,627

Dust From Material Movement	—	—	—	—	—	—	15.3	15.3	—	7.88	7.88	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	1.00	5.18	56.6	0.10	0.20	—	0.20	0.20	—	0.20	—	10,591	10,591	0.43	0.09	—	10,627
Dust From Material Movement	—	—	—	—	—	—	15.3	15.3	—	7.88	7.88	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.06	11.6	0.02	0.04	—	0.04	0.04	—	0.04	—	2,176	2,176	0.09	0.02	—	2,184
Dust From Material Movement	—	—	—	—	—	—	3.15	3.15	—	1.62	1.62	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.19	2.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	360	360	0.01	< 0.005	—	362

Dust From Material Movement	—	—	—	—	—	—	0.57	0.57	—	0.30	0.30	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.20	0.18	0.18	3.34	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	520	520	0.02	0.02	1.80	527
Vendor	0.02	0.01	0.40	0.18	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	380	380	< 0.005	0.05	1.05	396
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.16	0.14	0.20	1.90	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	442	442	0.02	0.02	0.05	448
Vendor	0.02	0.01	0.43	0.18	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	380	380	< 0.005	0.05	0.03	395
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.04	0.49	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	97.1	97.1	< 0.005	< 0.005	0.16	98.4
Vendor	< 0.005	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	78.1	78.1	< 0.005	0.01	0.09	81.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.09	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.1	16.1	< 0.005	< 0.005	0.03	16.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.02	13.5
Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.38	6.20	57.7	54.6	0.12	2.42	—	2.42	2.22	—	2.22	—	12,914	12,914	0.52	0.10	—	12,959
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	7.38	6.20	57.7	54.6	0.12	2.42	—	2.42	2.22	—	2.22	—	12,914	12,914	0.52	0.10	—	12,959
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	2.67	2.24	20.9	19.7	0.04	0.87	—	0.87	0.80	—	0.80	—	4,670	4,670	0.19	0.04	—	4,686
Dust From Material Movement	—	—	—	—	—	—	6.66	6.66	—	2.64	2.64	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.49	0.41	3.81	3.60	0.01	0.16	—	0.16	0.15	—	0.15	—	773	773	0.03	0.01	—	776
Dust From Material Movement	—	—	—	—	—	—	1.21	1.21	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.18	3.34	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	520	520	0.02	0.02	1.80	527
Vendor	0.02	0.01	0.40	0.18	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	380	380	< 0.005	0.05	1.05	396
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.16	0.14	0.20	1.90	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	442	442	0.02	0.02	0.05	448
Vendor	0.02	0.01	0.43	0.18	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	380	380	< 0.005	0.05	0.03	395
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.06	0.05	0.07	0.86	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	171	171	0.01	0.01	0.28	173
Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	< 0.005	0.02	0.16	143
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.3	28.3	< 0.005	< 0.005	0.05	28.7

Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.7	22.7	< 0.005	< 0.005	0.03	23.7
Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,914	12,914	0.52	0.10	—	12,959
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,914	12,914	0.52	0.10	—	12,959
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.45	0.45	2.72	24.9	0.04	0.09	—	0.09	0.09	—	0.09	—	4,670	4,670	0.19	0.04	—	4,686
Dust From Material Movement	—	—	—	—	—	—	2.60	2.60	—	1.03	1.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.50	4.54	0.01	0.02	—	0.02	0.02	—	0.02	—	773	773	0.03	0.01	—	776
Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.19	0.19	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.20	0.18	0.18	3.34	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	520	520	0.02	0.02	1.80	527
Vendor	0.02	0.01	0.40	0.18	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	380	380	< 0.005	0.05	1.05	396
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.16	0.14	0.20	1.90	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	442	442	0.02	0.02	0.05	448
Vendor	0.02	0.01	0.43	0.18	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	380	380	< 0.005	0.05	0.03	395
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.06	0.05	0.07	0.86	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	171	171	0.01	0.01	0.28	173

Vendor	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	< 0.005	0.02	0.16	143
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.16	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	28.3	28.3	< 0.005	< 0.005	0.05	28.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	22.7	22.7	< 0.005	< 0.005	0.03	23.7
Hauling	0.00	0.00	0.00	0.00	0.00	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 (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.29	5.25	46.9	63.7	0.10	1.88	—	1.88	1.73	—	1.73	—	10,115	10,115	0.41	0.08	—	10,149
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.94	0.78	6.98	9.47	0.02	0.28	—	0.28	0.26	—	0.26	—	1,504	1,504	0.06	0.01	—	1,509
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.17	0.14	1.27	1.73	< 0.005	0.05	—	0.05	0.05	—	0.05	—	249	249	0.01	< 0.005	—	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.39	2.99	4.28	41.1	0.00	0.00	9.91	9.91	0.00	2.32	2.32	—	9,582	9,582	0.46	0.38	1.01	9,706
Vendor	0.40	0.29	9.66	4.07	0.07	0.12	2.30	2.42	0.12	0.64	0.76	—	8,526	8,526	0.10	1.14	0.61	8,869
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.53	0.47	0.59	7.65	0.00	0.00	1.47	1.47	0.00	0.34	0.34	—	1,523	1,523	0.07	0.05	2.50	1,544
Vendor	0.06	0.05	1.41	0.60	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,267	1,267	0.02	0.17	1.51	1,320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.11	1.40	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	252	252	0.01	0.01	0.41	256
Vendor	0.01	0.01	0.26	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	210	210	< 0.005	0.03	0.25	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

3.6. Building Construction (2025) - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	1.31	1.27	15.5	67.2	0.10	0.25	—	0.25	0.24	—	0.24	—	10,115	10,115	0.41	0.08	—	10,149
Onsite truck	0.00	0.00	0.00	0.00	0.00	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 Equipm ent	0.19	0.19	2.30	10.00	0.02	0.04	—	0.04	0.04	—	0.04	—	1,504	1,504	0.06	0.01	—	1,509
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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 ent	0.04	0.03	0.42	1.82	< 0.005	0.01	—	0.01	0.01	—	0.01	—	249	249	0.01	< 0.005	—	250
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.39	2.99	4.28	41.1	0.00	0.00	9.91	9.91	0.00	2.32	2.32	—	9,582	9,582	0.46	0.38	1.01	9,706
Vendor	0.40	0.29	9.66	4.07	0.07	0.12	2.30	2.42	0.12	0.64	0.76	—	8,526	8,526	0.10	1.14	0.61	8,869
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.53	0.47	0.59	7.65	0.00	0.00	1.47	1.47	0.00	0.34	0.34	—	1,523	1,523	0.07	0.05	2.50	1,544
Vendor	0.06	0.05	1.41	0.60	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,267	1,267	0.02	0.17	1.51	1,320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.11	1.40	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	252	252	0.01	0.01	0.41	256
Vendor	0.01	0.01	0.26	0.11	< 0.005	< 0.005	0.06	0.07	< 0.005	0.02	0.02	—	210	210	< 0.005	0.03	0.25	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

3.7. Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.91	4.93	44.4	63.4	0.10	1.60	—	1.60	1.47	—	1.47	—	10,113	10,113	0.41	0.08	—	10,148
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	5.91	4.93	44.4	63.4	0.10	1.60	—	1.60	1.47	—	1.47	—	10,113	10,113	0.41	0.08	—	10,148
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.22	3.52	31.7	45.3	0.07	1.14	—	1.14	1.05	—	1.05	—	7,224	7,224	0.29	0.06	—	7,248
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.77	0.64	5.78	8.26	0.01	0.21	—	0.21	0.19	—	0.19	—	1,196	1,196	0.05	0.01	—	1,200
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.80	3.44	3.63	67.2	0.00	0.00	9.91	9.91	0.00	2.32	2.32	—	11,025	11,025	0.43	0.38	35.3	11,183
Vendor	0.44	0.32	8.60	3.73	0.07	0.12	2.30	2.42	0.12	0.64	0.76	—	8,362	8,362	0.10	1.14	21.9	8,727
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.22	2.84	3.94	38.1	0.00	0.00	9.91	9.91	0.00	2.32	2.32	—	9,385	9,385	0.15	0.38	0.92	9,502
Vendor	0.40	0.29	9.27	3.86	0.07	0.12	2.30	2.42	0.12	0.64	0.76	—	8,371	8,371	0.10	1.14	0.57	8,714
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.41	2.14	2.57	34.0	0.00	0.00	7.05	7.05	0.00	1.65	1.65	—	7,165	7,165	0.10	0.26	10.9	7,255
Vendor	0.30	0.21	6.46	2.70	0.05	0.09	1.64	1.72	0.09	0.45	0.54	—	5,976	5,976	0.07	0.82	6.74	6,227
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.47	6.21	0.00	0.00	1.29	1.29	0.00	0.30	0.30	—	1,186	1,186	0.02	0.04	1.80	1,201
Vendor	0.05	0.04	1.18	0.49	0.01	0.02	0.30	0.31	0.02	0.08	0.10	—	989	989	0.01	0.14	1.12	1,031

Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.31	1.27	15.5	67.2	0.10	0.25	—	0.25	0.24	—	0.24	—	10,113	10,113	0.41	0.08	—	10,148
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.31	1.27	15.5	67.2	0.10	0.25	—	0.25	0.24	—	0.24	—	10,113	10,113	0.41	0.08	—	10,148
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.93	0.90	11.1	48.0	0.07	0.18	—	0.18	0.17	—	0.17	—	7,224	7,224	0.29	0.06	—	7,248
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.17	0.17	2.02	8.76	0.01	0.03	—	0.03	0.03	—	0.03	—	1,196	1,196	0.05	0.01	—	1,200
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.80	3.44	3.63	67.2	0.00	0.00	9.91	9.91	0.00	2.32	2.32	—	11,025	11,025	0.43	0.38	35.3	11,183
Vendor	0.44	0.32	8.60	3.73	0.07	0.12	2.30	2.42	0.12	0.64	0.76	—	8,362	8,362	0.10	1.14	21.9	8,727
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.22	2.84	3.94	38.1	0.00	0.00	9.91	9.91	0.00	2.32	2.32	—	9,385	9,385	0.15	0.38	0.92	9,502
Vendor	0.40	0.29	9.27	3.86	0.07	0.12	2.30	2.42	0.12	0.64	0.76	—	8,371	8,371	0.10	1.14	0.57	8,714
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.41	2.14	2.57	34.0	0.00	0.00	7.05	7.05	0.00	1.65	1.65	—	7,165	7,165	0.10	0.26	10.9	7,255
Vendor	0.30	0.21	6.46	2.70	0.05	0.09	1.64	1.72	0.09	0.45	0.54	—	5,976	5,976	0.07	0.82	6.74	6,227
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.47	6.21	0.00	0.00	1.29	1.29	0.00	0.30	0.30	—	1,186	1,186	0.02	0.04	1.80	1,201
Vendor	0.05	0.04	1.18	0.49	0.01	0.02	0.30	0.31	0.02	0.08	0.10	—	989	989	0.01	0.14	1.12	1,031
Hauling	0.00	0.00	0.00	0.00	0.00	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. 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	5.62	4.69	42.3	63.2	0.10	1.38	—	1.38	1.27	—	1.27	—	10,112	10,112	0.41	0.08	—	10,147
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	5.62	4.69	42.3	63.2	0.10	1.38	—	1.38	1.27	—	1.27	—	10,112	10,112	0.41	0.08	—	10,147
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.39	2.83	25.5	38.1	0.06	0.83	—	0.83	0.76	—	0.76	—	6,095	6,095	0.25	0.05	—	6,116
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.62	0.52	4.65	6.96	0.01	0.15	—	0.15	0.14	—	0.14	—	1,009	1,009	0.04	0.01	—	1,013
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.62	3.26	3.29	62.5	0.00	0.00	9.91	9.91	0.00	2.32	2.32	—	10,806	10,806	0.12	0.36	31.8	10,948
Vendor	0.42	0.31	8.21	3.59	0.06	0.12	2.30	2.42	0.12	0.64	0.76	—	8,176	8,176	0.10	1.08	20.3	8,522
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.08	2.71	3.59	35.5	0.00	0.00	9.91	9.91	0.00	2.32	2.32	—	9,203	9,203	0.13	0.36	0.83	9,315
Vendor	0.40	0.28	8.82	3.66	0.07	0.12	2.30	2.42	0.12	0.64	0.76	—	8,185	8,185	0.10	1.08	0.53	8,510
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.94	1.72	1.96	26.8	0.00	0.00	5.95	5.95	0.00	1.39	1.39	—	5,928	5,928	0.07	0.22	8.29	6,002
Vendor	0.25	0.18	5.18	2.16	0.04	0.07	1.38	1.46	0.07	0.38	0.45	—	4,930	4,930	0.06	0.65	5.27	5,131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.31	0.36	4.89	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	981	981	0.01	0.04	1.37	994
Vendor	0.05	0.03	0.95	0.39	0.01	0.01	0.25	0.27	0.01	0.07	0.08	—	816	816	0.01	0.11	0.87	850
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (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	1.31	1.27	15.5	67.2	0.10	0.25	—	0.25	0.24	—	0.24	—	10,112	10,112	0.41	0.08	—	10,147
Onsite truck	0.00	0.00	0.00	0.00	0.00	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 Equipm ent	1.31	1.27	15.5	67.2	0.10	0.25	—	0.25	0.24	—	0.24	—	10,112	10,112	0.41	0.08	—	10,147
Onsite truck	0.00	0.00	0.00	0.00	0.00	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 Equipm ent	0.79	0.76	9.32	40.5	0.06	0.15	—	0.15	0.15	—	0.15	—	6,095	6,095	0.25	0.05	—	6,116
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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 ent	0.14	0.14	1.70	7.39	0.01	0.03	—	0.03	0.03	—	0.03	—	1,009	1,009	0.04	0.01	—	1,013
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.62	3.26	3.29	62.5	0.00	0.00	9.91	9.91	0.00	2.32	2.32	—	10,806	10,806	0.12	0.36	31.8	10,948
Vendor	0.42	0.31	8.21	3.59	0.06	0.12	2.30	2.42	0.12	0.64	0.76	—	8,176	8,176	0.10	1.08	20.3	8,522
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.08	2.71	3.59	35.5	0.00	0.00	9.91	9.91	0.00	2.32	2.32	—	9,203	9,203	0.13	0.36	0.83	9,315
Vendor	0.40	0.28	8.82	3.66	0.07	0.12	2.30	2.42	0.12	0.64	0.76	—	8,185	8,185	0.10	1.08	0.53	8,510
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.94	1.72	1.96	26.8	0.00	0.00	5.95	5.95	0.00	1.39	1.39	—	5,928	5,928	0.07	0.22	8.29	6,002
Vendor	0.25	0.18	5.18	2.16	0.04	0.07	1.38	1.46	0.07	0.38	0.45	—	4,930	4,930	0.06	0.65	5.27	5,131
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.31	0.36	4.89	0.00	0.00	1.09	1.09	0.00	0.25	0.25	—	981	981	0.01	0.04	1.37	994
Vendor	0.05	0.03	0.95	0.39	0.01	0.01	0.25	0.27	0.01	0.07	0.08	—	816	816	0.01	0.11	0.87	850
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.81	1.52	14.2	19.9	0.03	0.64	—	0.64	0.59	—	0.59	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.43	1.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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 Equipm ent	0.24	0.21	1.92	2.68	< 0.005	0.09	—	0.09	0.08	—	0.08	—	408	408	0.02	< 0.005	—	409	
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 ent	0.04	0.04	0.35	0.49	< 0.005	0.02	—	0.02	0.01	—	0.01	—	67.5	67.5	< 0.005	< 0.005	—	67.8	
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.16	1.51	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	371	371	0.01	0.01	0.04	376	
Vendor	0.01	0.01	0.34	0.14	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	311	311	< 0.005	0.04	0.02	324	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	53.6	53.6	< 0.005	< 0.005	0.08	54.3	
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.0	42.0	< 0.005	0.01	0.05	43.7	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	—	8.87	8.87	< 0.005	< 0.005	0.01	8.98
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.95	6.95	< 0.005	< 0.005	0.01	7.24
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.43	1.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.04	0.52	2.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	408	408	0.02	< 0.005	—	409
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.01	0.01	0.10	0.52	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	67.5	67.5	< 0.005	< 0.005	—	67.8
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.16	1.51	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	371	371	0.01	0.01	0.04	376
Vendor	0.01	0.01	0.34	0.14	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	311	311	< 0.005	0.04	0.02	324
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.25	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	53.6	53.6	< 0.005	< 0.005	0.08	54.3
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.0	42.0	< 0.005	0.01	0.05	43.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	—	8.87	8.87	< 0.005	< 0.005	0.01	8.98
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.95	6.95	< 0.005	< 0.005	0.01	7.24
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. 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	1.76	1.47	13.9	19.9	0.03	0.60	—	0.60	0.55	—	0.55	—	3,022	3,022	0.12	0.02	—	3,033
Paving	1.43	1.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.76	1.47	13.9	19.9	0.03	0.60	—	0.60	0.55	—	0.55	—	3,022	3,022	0.12	0.02	—	3,033
Paving	1.43	1.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.25	1.05	9.92	14.2	0.02	0.43	—	0.43	0.39	—	0.39	—	2,159	2,159	0.09	0.02	—	2,166
Paving	1.02	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.23	0.19	1.81	2.59	< 0.005	0.08	—	0.08	0.07	—	0.07	—	357	357	0.01	< 0.005	—	359
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.14	0.13	0.13	2.47	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	427	427	< 0.005	0.01	1.26	433
Vendor	0.02	0.01	0.31	0.13	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	304	304	< 0.005	0.04	0.75	317
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.12	0.11	0.14	1.40	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	364	364	0.01	0.01	0.03	368
Vendor	0.01	0.01	0.33	0.14	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	304	304	< 0.005	0.04	0.02	316
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.09	0.08	0.09	1.26	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	278	278	< 0.005	0.01	0.39	281
Vendor	0.01	0.01	0.23	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	217	217	< 0.005	0.03	0.23	226
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.01	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	46.0	46.0	< 0.005	< 0.005	0.06	46.6
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.9	35.9	< 0.005	< 0.005	0.04	37.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,022	3,022	0.12	0.02	—	3,033
Paving	1.43	1.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,022	3,022	0.12	0.02	—	3,033
Paving	1.43	1.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.23	2.76	15.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,159	2,159	0.09	0.02	—	2,166
Paving	1.02	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.50	2.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	357	357	0.01	< 0.005	—	359
Paving	0.19	0.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.14	0.13	0.13	2.47	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	427	427	< 0.005	0.01	1.26	433
Vendor	0.02	0.01	0.31	0.13	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	304	304	< 0.005	0.04	0.75	317
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.12	0.11	0.14	1.40	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	364	364	0.01	0.01	0.03	368
Vendor	0.01	0.01	0.33	0.14	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	304	304	< 0.005	0.04	0.02	316
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.09	0.08	0.09	1.26	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	278	278	< 0.005	0.01	0.39	281
Vendor	0.01	0.01	0.23	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	217	217	< 0.005	0.03	0.23	226
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.01	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	46.0	46.0	< 0.005	< 0.005	0.06	46.6
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.9	35.9	< 0.005	< 0.005	0.04	37.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Paving (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 Equipm ent	1.63	1.37	13.3	19.8	0.03	0.51	—	0.51	0.47	—	0.47	—	3,022	3,022	0.12	0.02	—	3,032
Paving	1.43	1.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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 Equipm ent	0.06	0.05	0.52	0.78	< 0.005	0.02	—	0.02	0.02	—	0.02	—	118	118	< 0.005	< 0.005	—	119
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.01	0.01	0.09	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.6	19.6	< 0.005	< 0.005	—	19.6
Paving	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	0.11	0.10	0.13	1.30	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	357	357	0.01	0.01	0.03	362
Vendor	0.01	0.01	0.32	0.13	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	297	297	< 0.005	0.04	0.02	309
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.02	15.1
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.6	11.6	< 0.005	< 0.005	0.01	12.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	—	2.47	2.47	< 0.005	< 0.005	< 0.005	2.51
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.92	1.92	< 0.005	< 0.005	< 0.005	2.00
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

3.16. Paving (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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,022	3,022	0.12	0.02	—	3,032
Paving	1.43	1.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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 Equipm ent	0.01	0.01	0.15	0.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	118	118	< 0.005	< 0.005	—	119	
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	< 0.005	< 0.005	0.03	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.6	19.6	< 0.005	< 0.005	—	19.6	
Paving	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	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.13	1.30	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	357	357	0.01	0.01	0.03	362	
Vendor	0.01	0.01	0.32	0.13	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	297	297	< 0.005	0.04	0.02	309	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.9	14.9	< 0.005	< 0.005	0.02	15.1	
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.6	11.6	< 0.005	< 0.005	0.01	12.1	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	—	2.47	2.47	< 0.005	< 0.005	< 0.005	2.51
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.92	1.92	< 0.005	< 0.005	< 0.005	2.00
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

3.17. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.46	1.20	8.56	11.3	0.02	0.23	—	0.23	0.21	—	0.21	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	27.0	27.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.10	0.08	0.57	0.75	< 0.005	0.02	—	0.02	0.01	—	0.01	—	88.8	88.8	< 0.005	< 0.005	—	89.1
Architectural Coatings	1.79	1.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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 ent	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.7	14.7	< 0.005	< 0.005	—	14.8
Architect ural Coating s	0.33	0.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.64	0.57	0.79	7.62	0.00	0.00	1.98	1.98	0.00	0.46	0.46	—	1,877	1,877	0.03	0.08	0.18	1,900
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	0.04	0.04	0.05	0.63	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	133	133	< 0.005	< 0.005	0.20	135
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	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.1	22.1	< 0.005	< 0.005	0.03	22.4
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

3.18. Architectural Coating (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.31	6.67	9.80	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	5.39	5.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.44	0.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	88.8	88.8	< 0.005	< 0.005	—	89.1
Architectural Coatings	0.36	0.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.7	14.7	< 0.005	< 0.005	—	14.8
Architectural Coatings	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.64	0.57	0.79	7.62	0.00	0.00	1.98	1.98	0.00	0.46	0.46	—	1,877	1,877	0.03	0.08	0.18	1,900
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	0.04	0.04	0.05	0.63	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	133	133	< 0.005	< 0.005	0.20	135
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	0.12	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.1	22.1	< 0.005	< 0.005	0.03	22.4
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

3.19. 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	1.37	1.13	8.31	11.3	0.02	0.19	—	0.19	0.18	—	0.18	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	27.0	27.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.37	1.13	8.31	11.3	0.02	0.19	—	0.19	0.18	—	0.18	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	27.0	27.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.98	0.81	5.94	8.04	0.01	0.14	—	0.14	0.13	—	0.13	—	954	954	0.04	0.01	—	957
Architectural Coatings	19.3	19.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.18	0.15	1.08	1.47	< 0.005	0.02	—	0.02	0.02	—	0.02	—	158	158	0.01	< 0.005	—	158
Architect ural Coating s	3.51	3.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.72	0.65	0.66	12.5	0.00	0.00	1.98	1.98	0.00	0.46	0.46	—	2,161	2,161	0.02	0.07	6.37	2,190
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	0.62	0.54	0.72	7.09	0.00	0.00	1.98	1.98	0.00	0.46	0.46	—	1,841	1,841	0.03	0.07	0.17	1,863
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	0.46	0.41	0.46	6.35	0.00	0.00	1.41	1.41	0.00	0.33	0.33	—	1,405	1,405	0.02	0.05	1.97	1,423
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	0.08	0.07	0.08	1.16	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	233	233	< 0.005	0.01	0.33	236

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. 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 Equipment	0.33	0.30	6.65	9.79	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	5.39	5.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.30	6.65	9.79	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	5.39	5.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.23	0.22	4.75	7.00	0.01	0.03	—	0.03	0.03	—	0.03	—	954	954	0.04	0.01	—	957
Architectural Coatings	3.85	3.85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.87	1.28	< 0.005	0.01	—	0.01	0.01	—	0.01	—	158	158	0.01	< 0.005	—	158
Architectural Coatings	0.70	0.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.72	0.65	0.66	12.5	0.00	0.00	1.98	1.98	0.00	0.46	0.46	—	2,161	2,161	0.02	0.07	6.37	2,190
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	0.62	0.54	0.72	7.09	0.00	0.00	1.98	1.98	0.00	0.46	0.46	—	1,841	1,841	0.03	0.07	0.17	1,863
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	0.46	0.41	0.46	6.35	0.00	0.00	1.41	1.41	0.00	0.33	0.33	—	1,405	1,405	0.02	0.05	1.97	1,423

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	0.08	0.07	0.08	1.16	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	233	233	< 0.005	0.01	0.33	236
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Architectural Coating (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	1.30	1.07	8.08	11.2	0.02	0.15	—	0.15	0.14	—	0.14	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	27.0	27.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.30	1.07	8.08	11.2	0.02	0.15	—	0.15	0.14	—	0.14	—	1,335	1,335	0.05	0.01	—	1,340

Architectural Coatings	27.0	27.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.25	1.91	2.65	< 0.005	0.04	—	0.04	0.03	—	0.03	—	316	316	0.01	< 0.005	—	317
Architectural Coatings	6.38	6.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.35	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	52.3	52.3	< 0.005	< 0.005	—	52.5
Architectural Coatings	1.16	1.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.70	0.63	0.59	11.7	0.00	0.00	1.98	1.98	0.00	0.46	0.46	—	2,120	2,120	0.02	0.07	5.73	2,148
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	0.53	0.52	0.65	6.58	0.00	0.00	1.98	1.98	0.00	0.46	0.46	—	1,807	1,807	0.03	0.07	0.15	1,829
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	0.13	0.14	1.96	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	457	457	0.01	0.02	0.59	463
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	0.03	0.36	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	75.7	75.7	< 0.005	< 0.005	0.10	76.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Architectural Coating (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	0.32	0.30	6.62	9.79	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	5.39	5.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.32	0.30	6.62	9.79	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coating s	5.39	5.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipm ent	0.08	0.07	1.57	2.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	316	316	0.01	< 0.005	—	317
Architect ural Coating s	1.28	1.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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 ent	0.01	0.01	0.29	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	52.3	52.3	< 0.005	< 0.005	—	52.5
Architect ural Coating s	0.23	0.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.70	0.63	0.59	11.7	0.00	0.00	1.98	1.98	0.00	0.46	0.46	—	2,120	2,120	0.02	0.07	5.73	2,148
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	0.53	0.52	0.65	6.58	0.00	0.00	1.98	1.98	0.00	0.46	0.46	—	1,807	1,807	0.03	0.07	0.15	1,829
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	0.13	0.14	1.96	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	457	457	0.01	0.02	0.59	463
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	0.03	0.36	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	75.7	75.7	< 0.005	< 0.005	0.10	76.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	79.1	72.3	74.1	772	1.95	1.30	167	168	1.22	42.4	43.6	—	199,034	199,034	6.54	8.49	501	202,229
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	79.1	72.3	74.1	772	1.95	1.30	167	168	1.22	42.4	43.6	—	199,034	199,034	6.54	8.49	501	202,229
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	65.8	59.1	80.5	521	1.73	1.30	167	168	1.22	42.4	43.6	—	176,957	176,957	6.82	8.74	13.0	179,744
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

Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	65.8	59.1	80.5	521	1.73	1.30	167	168	1.22	42.4	43.6	—	176,957	176,957	6.82	8.74	13.0	179,744
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	12.7	11.4	14.1	109	0.33	0.24	30.3	30.6	0.22	7.70	7.92	—	30,737	30,737	1.09	1.42	35.8	31,222
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Regional	0.00	0.00	0.00	0.00	0.00	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	12.7	11.4	14.1	109	0.33	0.24	30.3	30.6	0.22	7.70	7.92	—	30,737	30,737	1.09	1.42	35.8	31,222

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	79.1	72.3	74.1	772	1.95	1.30	167	168	1.22	42.4	43.6	—	199,034	199,034	6.54	8.49	501	202,229
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	79.1	72.3	74.1	772	1.95	1.30	167	168	1.22	42.4	43.6	—	199,034	199,034	6.54	8.49	501	202,229

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	65.8	59.1	80.5	521	1.73	1.30	167	168	1.22	42.4	43.6	—	176,957	176,957	6.82	8.74	13.0	179,744
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	65.8	59.1	80.5	521	1.73	1.30	167	168	1.22	42.4	43.6	—	176,957	176,957	6.82	8.74	13.0	179,744
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	12.7	11.4	14.1	109	0.33	0.24	30.3	30.6	0.22	7.70	7.92	—	30,737	30,737	1.09	1.42	35.8	31,222
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
Other Non-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

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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	12.7	11.4	14.1	109	0.33	0.24	30.3	30.6	0.22	7.70	7.92	—	30,737	30,737	1.09	1.42	35.8	31,222

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	8,366	8,366	1.01	0.12	—	8,428
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3,071	3,071	0.37	0.04	—	3,093

City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	4,510	4,510	0.54	0.07	—	4,544
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,485	1,485	0.18	0.02	—	1,496
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	6,421	6,421	0.77	0.09	—	6,468
Total	—	—	—	—	—	—	—	—	—	—	—	—	23,853	23,853	2.87	0.35	—	24,029
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	8,366	8,366	1.01	0.12	—	8,428
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3,071	3,071	0.37	0.04	—	3,093
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	4,510	4,510	0.54	0.07	—	4,544
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,485	1,485	0.18	0.02	—	1,496
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	6,421	6,421	0.77	0.09	—	6,468

Total	—	—	—	—	—	—	—	—	—	—	—	—	23,853	23,853	2.87	0.35	—	24,029
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,385	1,385	0.17	0.02	—	1,395
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	508	508	0.06	0.01	—	512
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	747	747	0.09	0.01	—	752
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	246	246	0.03	< 0.005	—	248
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,063	1,063	0.13	0.02	—	1,071
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,949	3,949	0.47	0.06	—	3,978

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	4,975	4,975	0.60	0.07	—	5,012
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3,071	3,071	0.37	0.04	—	3,093
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,772	1,772	0.21	0.03	—	1,785
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	678	678	0.08	0.01	—	683
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	2,624	2,624	0.32	0.04	—	2,643
Total	—	—	—	—	—	—	—	—	—	—	—	—	13,121	13,121	1.58	0.19	—	13,218
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	4,969	4,969	0.60	0.07	—	5,006
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3,071	3,071	0.37	0.04	—	3,093

City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	1,761	1,761	0.21	0.03	—	1,774
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	671	671	0.08	0.01	—	676
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	2,612	2,612	0.31	0.04	—	2,631
Total	—	—	—	—	—	—	—	—	—	—	—	—	13,084	13,084	1.57	0.19	—	13,180
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	823	823	0.10	0.01	—	829
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	508	508	0.06	0.01	—	512
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	292	292	0.04	< 0.005	—	295
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.01	< 0.005	—	113
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	433	433	0.05	0.01	—	437
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,169	2,169	0.26	0.03	—	2,185

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.09	0.05	0.84	0.71	0.01	0.06	—	0.06	0.06	—	0.06	—	1,004	1,004	0.09	< 0.005	—	1,007
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.55	0.28	5.04	4.23	0.03	0.38	—	0.38	0.38	—	0.38	—	6,012	6,012	0.53	0.01	—	6,028
Apartments Mid Rise	0.13	0.07	1.14	0.48	0.01	0.09	—	0.09	0.09	—	0.09	—	1,442	1,442	0.13	< 0.005	—	1,446
Regional Shopping Center	0.11	0.06	1.04	0.87	0.01	0.08	—	0.08	0.08	—	0.08	—	1,242	1,242	0.11	< 0.005	—	1,246
Total	0.89	0.45	8.06	6.30	0.05	0.62	—	0.62	0.62	—	0.62	—	9,700	9,700	0.86	0.02	—	9,727
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.09	0.05	0.84	0.71	0.01	0.06	—	0.06	0.06	—	0.06	—	1,004	1,004	0.09	< 0.005	—	1,007

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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.55	0.28	5.04	4.23	0.03	0.38	—	0.38	0.38	—	0.38	—	6,012	6,012	0.53	0.01	—	6,028
Apartments Mid Rise	0.13	0.07	1.14	0.48	0.01	0.09	—	0.09	0.09	—	0.09	—	1,442	1,442	0.13	< 0.005	—	1,446
Regional Shopping Center	0.11	0.06	1.04	0.87	0.01	0.08	—	0.08	0.08	—	0.08	—	1,242	1,242	0.11	< 0.005	—	1,246
Total	0.89	0.45	8.06	6.30	0.05	0.62	—	0.62	0.62	—	0.62	—	9,700	9,700	0.86	0.02	—	9,727
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.02	0.01	0.15	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	166	166	0.01	< 0.005	—	167
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.10	0.05	0.92	0.77	0.01	0.07	—	0.07	0.07	—	0.07	—	995	995	0.09	< 0.005	—	998

Apartments	0.02	0.01	0.21	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	239	239	0.02	< 0.005	—	239
Regional Shopping Center	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	206	206	0.02	< 0.005	—	206
Total	0.16	0.08	1.47	1.15	0.01	0.11	—	0.11	0.11	—	0.11	—	1,606	1,606	0.14	< 0.005	—	1,610

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.09	0.04	0.78	0.65	< 0.005	0.06	—	0.06	0.06	—	0.06	—	925	925	0.08	< 0.005	—	928
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.49	0.24	4.44	3.73	0.03	0.34	—	0.34	0.34	—	0.34	—	5,298	5,298	0.47	0.01	—	5,313
Apartments Mid Rise	0.10	0.05	0.86	0.37	0.01	0.07	—	0.07	0.07	—	0.07	—	1,094	1,094	0.10	< 0.005	—	1,098

Regional Shopping	0.11	0.05	0.98	0.82	0.01	0.07	—	0.07	0.07	—	0.07	—	1,171	1,171	0.10	< 0.005	—	1,174
Total	0.78	0.39	7.06	5.57	0.04	0.54	—	0.54	0.54	—	0.54	—	8,489	8,489	0.75	0.02	—	8,512
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.09	0.04	0.78	0.65	< 0.005	0.06	—	0.06	0.06	—	0.06	—	925	925	0.08	< 0.005	—	928
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.49	0.24	4.44	3.73	0.03	0.34	—	0.34	0.34	—	0.34	—	5,298	5,298	0.47	0.01	—	5,313
Apartments Mid Rise	0.10	0.05	0.86	0.37	0.01	0.07	—	0.07	0.07	—	0.07	—	1,094	1,094	0.10	< 0.005	—	1,098
Regional Shopping Center	0.11	0.05	0.98	0.82	0.01	0.07	—	0.07	0.07	—	0.07	—	1,171	1,171	0.10	< 0.005	—	1,174
Total	0.78	0.39	7.06	5.57	0.04	0.54	—	0.54	0.54	—	0.54	—	8,489	8,489	0.75	0.02	—	8,512
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.02	0.01	0.14	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	153	153	0.01	< 0.005	—	154

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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.09	0.04	0.81	0.68	< 0.005	0.06	—	0.06	0.06	—	0.06	—	877	877	0.08	< 0.005	—	880
Apartments Mid Rise	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	181	181	0.02	< 0.005	—	182
Regional Shopping Center	0.02	0.01	0.18	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	194	194	0.02	< 0.005	—	194
Total	0.14	0.07	1.29	1.02	0.01	0.10	—	0.10	0.10	—	0.10	—	1,405	1,405	0.12	< 0.005	—	1,409

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.92	2.09	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,246	6,246	0.12	0.01	—	6,253
Consumer Products	40.7	40.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect ural	2.73	2.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipm ent	12.8	11.8	0.71	81.3	< 0.005	0.12	—	0.12	0.09	—	0.09	—	306	306	0.01	< 0.005	—	307
Total	56.8	55.5	5.63	83.4	0.04	0.52	—	0.52	0.49	—	0.49	0.00	6,552	6,552	0.13	0.01	—	6,560
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.92	2.09	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,246	6,246	0.12	0.01	—	6,253
Consum er Product s	40.7	40.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coating s	2.73	2.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	44.0	43.7	4.92	2.09	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,246	6,246	0.12	0.01	—	6,253
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.06	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	70.8	70.8	< 0.005	< 0.005	—	70.9
Consum er Product s	7.42	7.42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coating s	0.50	0.50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipm ent	1.15	1.06	0.06	7.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.0	25.0	< 0.005	< 0.005	—	25.1
Total	9.08	8.99	0.12	7.35	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	95.8	95.8	< 0.005	< 0.005	—	96.0

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.92	2.09	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,246	6,246	0.12	0.01	—	6,253
Consumer Products	37.9	37.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.55	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	39.0	38.7	4.92	2.09	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,246	6,246	0.12	0.01	—	6,253
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.92	2.09	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,246	6,246	0.12	0.01	—	6,253
Consumer Products	37.9	37.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.55	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	39.0	38.7	4.92	2.09	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,246	6,246	0.12	0.01	—	6,253
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.06	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	70.8	70.8	< 0.005	< 0.005	—	70.9
Consumer Products	6.91	6.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.10	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.02	7.01	0.06	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	70.8	70.8	< 0.005	< 0.005	—	70.9

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	99.6	185	285	10.2	0.25	—	614
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	395	395	0.05	0.01	—	398
Hotel	—	—	—	—	—	—	—	—	—	—	—	18.2	33.9	52.1	1.87	0.04	—	112
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	27.2	50.6	77.8	2.80	0.07	—	168
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	82.0	152	234	8.42	0.20	—	505

Total	—	—	—	—	—	—	—	—	—	—	—	227	817	1,044	23.4	0.56	—	1,797
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	99.6	185	285	10.2	0.25	—	614
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	395	395	0.05	0.01	—	398
Hotel	—	—	—	—	—	—	—	—	—	—	—	18.2	33.9	52.1	1.87	0.04	—	112
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	27.2	50.6	77.8	2.80	0.07	—	168
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	82.0	152	234	8.42	0.20	—	505
Total	—	—	—	—	—	—	—	—	—	—	—	227	817	1,044	23.4	0.56	—	1,797
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	16.5	30.7	47.2	1.69	0.04	—	102
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	65.4	65.4	0.01	< 0.005	—	65.9
Hotel	—	—	—	—	—	—	—	—	—	—	—	3.02	5.61	8.63	0.31	0.01	—	18.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	4.50	8.37	12.9	0.46	0.01	—	27.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	13.6	25.2	38.8	1.39	0.03	—	83.6
Total	—	—	—	—	—	—	—	—	—	—	—	37.6	135	173	3.87	0.09	—	298

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	99.6	185	285	10.2	0.25	—	614
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	395	395	0.05	0.01	—	398

Hotel	—	—	—	—	—	—	—	—	—	—	—	18.2	33.9	52.1	1.87	0.04	—	112
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	27.2	50.6	77.8	2.80	0.07	—	168
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	82.0	152	234	8.42	0.20	—	505
Total	—	—	—	—	—	—	—	—	—	—	—	227	817	1,044	23.4	0.56	—	1,797
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	99.6	185	285	10.2	0.25	—	614
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	395	395	0.05	0.01	—	398
Hotel	—	—	—	—	—	—	—	—	—	—	—	18.2	33.9	52.1	1.87	0.04	—	112
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	27.2	50.6	77.8	2.80	0.07	—	168
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	82.0	152	234	8.42	0.20	—	505
Total	—	—	—	—	—	—	—	—	—	—	—	227	817	1,044	23.4	0.56	—	1,797
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	16.5	30.7	47.2	1.69	0.04	—	102
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	65.4	65.4	0.01	< 0.005	—	65.9
Hotel	—	—	—	—	—	—	—	—	—	—	—	3.02	5.61	8.63	0.31	0.01	—	18.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	4.50	8.37	12.9	0.46	0.01	—	27.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	13.6	25.2	38.8	1.39	0.03	—	83.6
Total	—	—	—	—	—	—	—	—	—	—	—	37.6	135	173	3.87	0.09	—	298

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	147	0.00	147	14.7	0.00	—	513
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	4.17	0.00	4.17	0.42	0.00	—	14.6
Hotel	—	—	—	—	—	—	—	—	—	—	—	111	0.00	111	11.1	0.00	—	387
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	139	0.00	139	13.9	0.00	—	486
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	327	0.00	327	32.7	0.00	—	1,143
Total	—	—	—	—	—	—	—	—	—	—	—	727	0.00	727	72.7	0.00	—	2,544
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	147	0.00	147	14.7	0.00	—	513
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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

City Park	—	—	—	—	—	—	—	—	—	—	—	4.17	0.00	4.17	0.42	0.00	—	14.6
Hotel	—	—	—	—	—	—	—	—	—	—	—	111	0.00	111	11.1	0.00	—	387
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	139	0.00	139	13.9	0.00	—	486
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	327	0.00	327	32.7	0.00	—	1,143
Total	—	—	—	—	—	—	—	—	—	—	—	727	0.00	727	72.7	0.00	—	2,544
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	24.3	0.00	24.3	2.43	0.00	—	84.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.69	0.00	0.69	0.07	0.00	—	2.41
Hotel	—	—	—	—	—	—	—	—	—	—	—	18.3	0.00	18.3	1.83	0.00	—	64.1
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	23.0	0.00	23.0	2.30	0.00	—	80.5
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	54.1	0.00	54.1	5.41	0.00	—	189
Total	—	—	—	—	—	—	—	—	—	—	—	120	0.00	120	12.0	0.00	—	421

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	36.6	0.00	36.6	3.66	0.00	—	128
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	1.04	0.00	1.04	0.10	0.00	—	3.64
Hotel	—	—	—	—	—	—	—	—	—	—	—	27.7	0.00	27.7	2.76	0.00	—	96.8
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	34.8	0.00	34.8	3.47	0.00	—	122
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	81.7	0.00	81.7	8.16	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	636
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	36.6	0.00	36.6	3.66	0.00	—	128

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	1.04	0.00	1.04	0.10	0.00	—	3.64
Hotel	—	—	—	—	—	—	—	—	—	—	—	27.7	0.00	27.7	2.76	0.00	—	96.8
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	34.8	0.00	34.8	3.47	0.00	—	122
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	81.7	0.00	81.7	8.16	0.00	—	286
Total	—	—	—	—	—	—	—	—	—	—	—	182	0.00	182	18.2	0.00	—	636
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	6.07	0.00	6.07	0.61	0.00	—	21.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.17	0.00	0.17	0.02	0.00	—	0.60
Hotel	—	—	—	—	—	—	—	—	—	—	—	4.58	0.00	4.58	0.46	0.00	—	16.0

Apartments	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	13.5	0.00	13.5	1.35	0.00	—	47.3
Total	—	—	—	—	—	—	—	—	—	—	—	30.1	0.00	30.1	3.01	0.00	—	105

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.71	0.71
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	851	851
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.40	2.40
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77	2.77
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	857	857
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.71	0.71
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	851	851
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.40	2.40
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77	2.77
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	857	857
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	141	141
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.40	0.40
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.46	0.46
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	142	142

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.71	0.71
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	851	851
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.40	2.40
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77	2.77
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	857	857
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.71	0.71
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	851	851
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.40	2.40
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.77	2.77
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	857	857
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.12	0.12
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	141	141
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.40	0.40

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.46	0.46
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	142	142

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)

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

4.8.2. Mitigated

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

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipm ent 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)

Equipm ent 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1/1/2025	4/15/2025	5.00	75.0	—
Grading	Grading	4/16/2025	10/16/2025	5.00	132	—

Building Construction	Building Construction	10/17/2025	11/4/2027	5.00	535	—
Paving	Paving	10/24/2026	1/20/2028	5.00	324	—
Architectural Coating	Architectural Coating	11/28/2026	4/30/2028	5.00	370	—

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	6.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	8.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Back hoes	Diesel	Average	4.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	15.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	15.0	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	10.0	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	10.0	6.00	37.0	0.48

5.2.2. Mitigated

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	6.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	8.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	15.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	15.0	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	10.0	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	9.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	12.0	10.2	HHDT,MHDT

Site Preparation	Hauling	0.00	20.1	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	35.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	12.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	758	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	269	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	10.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	152	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	12.0	10.2	HHDT,MHDT

Site Preparation	Hauling	0.00	20.1	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	35.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	12.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	758	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	269	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	10.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	152	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	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	678,456	226,152	1,971,608	657,203	768,398

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	225	0.00	—
Grading	0.00	0.00	792	0.00	—
Paving	0.00	0.00	0.00	0.00	294

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Office Building	0.00	0%
Other Asphalt Surfaces	70.0	100%
Other Non-Asphalt Surfaces	117	0%
Parking Lot	107	100%
City Park	0.00	0%
Hotel	0.00	0%
Apartments Mid Rise	—	0%
Regional Shopping Center	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	457	0.03	< 0.005
2026	0.00	457	0.03	< 0.005
2027	0.00	457	0.03	< 0.005
2028	0.00	457	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	20,108	20,108	20,108	7,339,420	236,296	236,296	236,296	86,248,042
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	20,108	20,108	20,108	7,339,420	236,296	236,296	236,296	86,248,042
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other Non-Asphalt Surfaces	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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	297
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	35
Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)

Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	297
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	35
Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0

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)
678456	226,152	1,971,608	657,203	768,398

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	11,123,620	275	0.0330	0.0040	3,134,306
Other Asphalt Surfaces	0.00	275	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	275	0.0330	0.0040	0.00
Parking Lot	4,082,966	275	0.0330	0.0040	0.00
City Park	0.00	275	0.0330	0.0040	0.00
Hotel	5,997,080	275	0.0330	0.0040	18,757,759
Apartments Mid Rise	1,975,046	275	0.0330	0.0040	4,499,592
Regional Shopping Center	8,536,730	275	0.0330	0.0040	3,876,140

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)
General Office Building	6,607,195	275	0.0330	0.0040	2,887,372
Other Asphalt Surfaces	0.00	275	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	275	0.0330	0.0040	0.00
Parking Lot	4,082,966	275	0.0330	0.0040	0.00
City Park	0.00	275	0.0330	0.0040	0.00
Hotel	2,341,315	275	0.0330	0.0040	16,532,566
Apartments Mid Rise	892,409	275	0.0330	0.0040	3,415,092
Regional Shopping Center	3,472,934	275	0.0330	0.0040	3,652,630

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	51,983,033	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
City Park	0.00	163,304,378
Hotel	9,512,539	0.00
Apartments Mid Rise	14,195,147	0.00
Regional Shopping Center	42,771,548	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	51,983,033	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
City Park	0.00	163,304,378
Hotel	9,512,539	0.00
Apartments Mid Rise	14,195,147	0.00
Regional Shopping Center	42,771,548	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	272	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—

Parking Lot	0.00	—
City Park	7.73	—
Hotel	205	—
Apartments Mid Rise	258	—
Regional Shopping Center	606	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	68.0	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
City Park	1.93	—
Hotel	51.3	—
Apartments Mid Rise	64.5	—
Regional Shopping Center	152	—

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
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.5	annual days of extreme heat
Extreme Precipitation	0.85	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.15	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 $\frac{3}{4}$ 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	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	51.0

AQ-PM	9.06
AQ-DPM	1.39
Drinking Water	64.7
Lead Risk Housing	43.7
Pesticides	50.2
Toxic Releases	4.91
Traffic	12.8
Effect Indicators	—
CleanUp Sites	84.8
Groundwater	56.1
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	23.9
Solid Waste	99.2
Sensitive Population	—
Asthma	72.9
Cardio-vascular	94.2
Low Birth Weights	17.2
Socioeconomic Factor Indicators	—
Education	70.7
Housing	15.9
Linguistic	35.3
Poverty	80.1
Unemployment	—

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	15.27011421
Employed	36.37880149
Median HI	20.15911716
Education	—
Bachelor's or higher	26.78044399
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	82.44578468
Active commuting	45.97715899
Social	—
2-parent households	20.59540613
Voting	44.10368279
Neighborhood	—
Alcohol availability	97.0101373
Park access	19.59450789
Retail density	0.872577955
Supermarket access	6.351854228
Tree canopy	0.346464776
Housing	—
Homeownership	79.96920313
Housing habitability	86.07724881
Low-inc homeowner severe housing cost burden	66.38008469
Low-inc renter severe housing cost burden	98.0366996
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	4.067753112
Arthritis	0.0

Asthma ER Admissions	24.0
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	2.5
Cognitively Disabled	18.3
Physically Disabled	14.9
Heart Attack ER Admissions	20.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	99.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	22.0
Elderly	16.0
English Speaking	46.5
Foreign-born	48.2

Outdoor Workers	5.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	91.8
Traffic Density	7.9
Traffic Access	23.0
Other Indices	—
Hardship	76.6
Other Decision Support	—
2016 Voting	47.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	57.0
Healthy Places Index Score for Project Location (b)	20.0
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
Characteristics: Project Details	Changed Locational Context from NA to Suburban to allow mitigation measures to be implemented in model. Input Start of Construction Based on schedule. No other changes made.
Land Use	General Office Building, Hotel and Apartments Mid Rise Lot Acreage a updated based on Plans. Drainage/Other Open Space shown as Non-Asphalt Surfaces. Roads shown as Other Asphalt Surfaces. Open Space/Landscape shown as City Park. Other Asphalt Surfaces also includes offsite improvements to be constructed during Phase 1.
Construction: Construction Phases	Construction duration updated based on schedule. This shorter construction schedule is more conservative since more emissions will be generated per day. Revised schedule consistent with TIA opening year.
Construction: Off-Road Equipment	Increased construction equipment assumptions based on similar projects.
Construction: Trips and VMT	Added 12 vendor trucks to Site Prep and Grading phases, and 10 vendor trucks to the Paving phase to account for water trucks and asphalt delivery. Uses the same ratio of Vendors to workers during the construction phase. (changed site prep hauling trip length to trigger this notes window, change doesn't affect emissions)
Construction: Architectural Coatings	SCAQMD Rule 1113 limits VOC in paint to 50 g/L
Operations: Hearths	SCAQMD Rule 445 prohibits the installation of any permanent wood-burning device into any new development.
Operations: Architectural Coatings	SCAQMD Rule 1113 limits VOC in paint to 50 g/L
Operations: Refrigerants	City Park land use is used to model Open Space and therefore does not use refrigeration.
Operations: Vehicle Data	Total Phase 1 Trips calculated with General Office Building Land Use. TIA shows Trip Generation = 20,108 and VMT = 236,296 therefore trip length = 11.751343 and Annual VMT = 86,248,040

KPC Coachella Phase 2 Detailed Report

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3.4. Grading (2028) - Mitigated

3.5. Grading (2029) - Unmitigated

3.6. Grading (2029) - Mitigated

3.7. Building Construction (2029) - Unmitigated

3.8. Building Construction (2029) - Mitigated

3.9. Building Construction (2030) - Unmitigated

3.10. Building Construction (2030) - Mitigated

3.11. Building Construction (2031) - Unmitigated

3.12. Building Construction (2031) - Mitigated

3.13. Paving (2030) - Unmitigated

3.14. Paving (2030) - Mitigated

3.15. Paving (2031) - Unmitigated

3.16. Paving (2031) - Mitigated

3.17. Architectural Coating (2030) - Unmitigated

3.18. Architectural Coating (2030) - Mitigated

3.19. Architectural Coating (2031) - Unmitigated

3.20. Architectural Coating (2031) - 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

5.1. 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

5.9. 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	KPC Coachella Phase 2
Construction Start Date	5/1/2028
Operational Year	2031
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.71008095097875, -116.11211348643617
County	Riverside-Salton Sea
City	Coachella
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5680
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.24

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

Elementary School	275	Student	0.53	22,991	0.00	0.00	—	—
Other Asphalt Surfaces	23.3	Acre	23.3	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	95.3	Acre	95.3	0.00	0.00	—	—	—
Parking Lot	19.1	Acre	19.1	0.00	0.00	—	—	—
Arena	5.00	Acre	5.00	217,800	0.00	—	—	—
City Park	89.0	Acre	89.0	0.00	3,876,840	3,876,840	—	—
Apartments Low Rise	472	Dwelling Unit	14.8	500,320	0.00	—	1,525	—
Apartments Mid Rise	419	Dwelling Unit	5.50	402,240	10.0	—	1,353	—
Single Family Housing	547	Dwelling Unit	178	1,066,650	0.00	—	1,767	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-9	Use Dust Suppressants
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Construction	C-13	Use Low-VOC Paints for Construction
Transportation	T-5	Implement Commute Trip Reduction Program (Voluntary)
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power

Energy	E-12-B	Install Electric Space Heater in Place of Natural Gas Heaters in Residences
Energy	E-13	Install Electric Ranges in Place of Gas Ranges
Waste	S-1/S-2	Implement Waste Reduction Plan
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

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.	51.2	49.3	67.9	174	0.19	2.29	39.8	42.1	2.11	20.3	22.4	—	35,706	35,706	0.79	1.42	46.8	36,196
Mit.	14.5	13.8	34.7	178	0.19	0.42	16.8	17.3	0.41	8.00	8.21	—	35,706	35,706	0.79	1.42	46.8	36,196
% Reduced	72%	72%	49%	-2%	—	82%	58%	59%	81%	61%	63%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	50.6	48.7	68.8	140	0.19	1.93	18.9	20.9	1.78	7.43	9.21	—	33,412	33,412	0.84	1.42	1.22	33,857
Mit.	13.9	13.2	35.6	144	0.19	0.42	16.8	17.3	0.41	4.02	4.43	—	33,412	33,412	0.84	1.42	1.22	33,857
% Reduced	73%	73%	48%	-3%	—	79%	11%	17%	77%	46%	52%	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	29.0	27.7	45.3	101	0.13	1.07	13.4	14.5	0.99	6.24	7.17	—	23,258	23,258	0.55	0.99	13.9	23,580
Mit.	8.41	7.95	23.3	104	0.13	0.28	11.5	11.8	0.28	2.74	3.02	—	23,258	23,258	0.55	0.99	13.9	23,580
% Reduced	71%	71%	48%	-3%	—	74%	15%	19%	72%	56%	58%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.30	5.06	8.26	18.4	0.02	0.20	2.45	2.64	0.18	1.14	1.31	—	3,851	3,851	0.09	0.16	2.30	3,904
Mit.	1.54	1.45	4.26	19.0	0.02	0.05	2.09	2.15	0.05	0.50	0.55	—	3,851	3,851	0.09	0.16	2.30	3,904
% Reduced	71%	71%	48%	-3%	—	74%	15%	19%	72%	56%	58%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	7.40	6.22	55.3	59.5	0.12	2.29	39.8	42.1	2.11	20.3	22.4	—	13,640	13,640	0.53	0.15	1.88	13,700
2029	9.17	8.19	48.0	133	0.15	1.16	13.9	15.1	1.08	3.34	4.41	—	28,589	28,589	0.61	1.26	44.2	29,023
2030	51.2	49.3	67.9	174	0.19	1.63	16.8	18.5	1.51	4.02	5.53	—	35,706	35,706	0.79	1.42	46.8	36,196
2031	42.3	41.7	20.9	44.6	0.05	0.52	2.91	3.43	0.48	0.68	1.16	—	7,441	7,441	0.20	0.17	6.26	7,501
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	6.77	5.71	47.4	53.9	0.12	1.93	18.9	20.9	1.78	7.43	9.21	—	13,567	13,567	0.53	0.15	0.05	13,627
2029	8.59	7.19	48.8	104	0.15	1.80	18.9	20.7	1.66	7.43	9.09	—	26,691	26,691	0.63	1.26	1.15	27,084
2030	50.6	48.7	68.8	140	0.19	1.63	16.8	18.5	1.51	4.02	5.53	—	33,412	33,412	0.84	1.42	1.22	33,857
2031	50.2	48.3	66.7	137	0.19	1.51	16.8	18.4	1.40	4.02	5.42	—	33,038	33,038	0.82	1.42	1.09	33,483
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	3.40	2.86	24.5	27.2	0.05	1.01	13.4	14.5	0.93	6.24	7.17	—	6,090	6,090	0.24	0.07	0.39	6,117
2029	6.07	5.36	34.1	75.7	0.10	0.89	10.3	11.2	0.82	2.72	3.54	—	18,405	18,405	0.43	0.80	12.1	18,667
2030	29.0	27.7	45.3	101	0.13	1.07	11.5	12.5	0.99	2.74	3.73	—	23,258	23,258	0.55	0.99	13.9	23,580
2031	20.8	20.4	13.9	29.7	0.04	0.31	3.03	3.34	0.29	0.72	1.01	—	6,251	6,251	0.16	0.22	3.12	6,325
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.62	0.52	4.48	4.96	0.01	0.18	2.45	2.64	0.17	1.14	1.31	—	1,008	1,008	0.04	0.01	0.06	1,013
2029	1.11	0.98	6.22	13.8	0.02	0.16	1.89	2.05	0.15	0.50	0.65	—	3,047	3,047	0.07	0.13	2.00	3,091
2030	5.30	5.06	8.26	18.4	0.02	0.20	2.09	2.29	0.18	0.50	0.68	—	3,851	3,851	0.09	0.16	2.30	3,904
2031	3.80	3.73	2.54	5.42	0.01	0.06	0.55	0.61	0.05	0.13	0.18	—	1,035	1,035	0.03	0.04	0.52	1,047

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	1.41	1.39	7.89	71.5	0.12	0.25	15.8	16.1	0.25	8.00	8.21	—	13,640	13,640	0.53	0.15	1.88	13,700
2029	5.27	5.11	24.1	137	0.15	0.33	13.9	14.3	0.33	3.34	3.66	—	28,589	28,589	0.61	1.26	44.2	29,023
2030	14.5	13.8	34.7	178	0.19	0.42	16.8	17.3	0.41	4.02	4.43	—	35,706	35,706	0.79	1.42	46.8	36,196
2031	9.36	9.26	11.2	44.6	0.05	0.08	2.91	2.99	0.08	0.68	0.77	—	7,441	7,441	0.20	0.17	6.26	7,501
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	1.37	1.36	7.93	70.3	0.12	0.25	7.70	7.95	0.25	2.98	3.22	—	13,567	13,567	0.53	0.15	0.05	13,627
2029	4.69	4.11	24.9	108	0.15	0.33	13.9	14.3	0.33	3.34	3.66	—	26,691	26,691	0.63	1.26	1.15	27,084
2030	13.9	13.2	35.6	144	0.19	0.42	16.8	17.3	0.41	4.02	4.43	—	33,412	33,412	0.84	1.42	1.22	33,857
2031	13.7	13.0	34.9	141	0.19	0.41	16.8	17.3	0.41	4.02	4.43	—	33,038	33,038	0.82	1.42	1.09	33,483
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.61	0.61	3.33	31.7	0.05	0.11	5.40	5.51	0.11	2.47	2.58	—	6,090	6,090	0.24	0.07	0.39	6,117
2029	3.17	3.06	16.0	79.8	0.10	0.23	9.37	9.60	0.23	2.34	2.57	—	18,405	18,405	0.43	0.80	12.1	18,667
2030	8.41	7.95	23.3	104	0.13	0.28	11.5	11.8	0.28	2.74	3.02	—	23,258	23,258	0.55	0.99	13.9	23,580
2031	4.87	4.75	7.68	30.1	0.04	0.07	3.03	3.10	0.07	0.72	0.79	—	6,251	6,251	0.16	0.22	3.12	6,325
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	0.11	0.11	0.61	5.78	0.01	0.02	0.98	1.00	0.02	0.45	0.47	—	1,008	1,008	0.04	0.01	0.06	1,013
2029	0.58	0.56	2.91	14.6	0.02	0.04	1.71	1.75	0.04	0.43	0.47	—	3,047	3,047	0.07	0.13	2.00	3,091
2030	1.54	1.45	4.26	19.0	0.02	0.05	2.09	2.15	0.05	0.50	0.55	—	3,851	3,851	0.09	0.16	2.30	3,904
2031	0.89	0.87	1.40	5.49	0.01	0.01	0.55	0.57	0.01	0.13	0.14	—	1,035	1,035	0.03	0.04	0.52	1,047

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.	102	96.4	65.5	474	1.19	3.13	89.9	93.1	3.08	22.8	25.9	783	153,452	154,234	85.0	4.79	200	157,988
Mit.	85.8	80.9	62.7	381	1.17	2.92	89.9	92.9	2.88	22.8	25.7	290	145,078	145,368	34.9	4.69	200	147,838
% Reduced	16%	16%	4%	20%	1%	7%	—	< 0.5%	6%	—	1%	63%	5%	6%	59%	2%	—	6%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	87.3	82.3	67.6	262	1.08	3.08	89.9	93.0	3.04	22.8	25.8	783	141,952	142,734	85.1	4.91	20.3	146,346
Mit.	80.4	75.5	65.6	261	1.06	2.92	89.9	92.9	2.88	22.8	25.7	290	133,808	134,098	35.0	4.81	20.3	136,426
% Reduced	8%	8%	3%	< 0.5%	1%	5%	—	< 0.5%	5%	—	1%	63%	6%	6%	59%	2%	—	7%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	91.0	86.9	47.6	336	1.00	1.58	89.5	91.1	1.53	22.7	24.2	783	122,536	123,318	84.6	4.78	95.2	126,953
Mit.	79.6	75.8	45.3	290	0.99	1.39	89.5	90.9	1.36	22.7	24.1	290	114,279	114,569	34.4	4.68	95.2	116,920
% Reduced	13%	13%	5%	14%	1%	12%	—	< 0.5%	12%	—	1%	63%	7%	7%	59%	2%	—	8%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.6	15.9	8.69	61.4	0.18	0.29	16.3	16.6	0.28	4.14	4.42	130	20,287	20,417	14.0	0.79	15.8	21,019
Mit.	14.5	13.8	8.26	52.9	0.18	0.25	16.3	16.6	0.25	4.14	4.39	48.1	18,920	18,968	5.70	0.78	15.8	19,357
% Reduced	13%	13%	5%	14%	1%	12%	—	< 0.5%	12%	—	1%	63%	7%	7%	59%	2%	—	8%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

Mit.	—	Yes	Yes	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold d	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,000
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes
Mit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes

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	35.2	32.0	34.1	368	0.99	0.61	89.9	90.6	0.58	22.8	23.4	—	101,496	101,496	3.10	4.20	184	103,008
Area	65.6	63.8	21.1	101	0.13	1.69	—	1.69	1.68	—	1.68	0.00	25,998	25,998	0.50	0.05	—	26,025
Energy	1.19	0.60	10.3	5.20	0.06	0.82	—	0.82	0.82	—	0.82	—	25,396	25,396	2.81	0.23	—	25,534
Water	—	—	—	—	—	—	—	—	—	—	—	126	562	688	13.0	0.32	—	1,108
Waste	—	—	—	—	—	—	—	—	—	—	—	656	0.00	656	65.6	0.00	—	2,297
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5
Total	102	96.4	65.5	474	1.19	3.13	89.9	93.1	3.08	22.8	25.9	783	153,452	154,234	85.0	4.79	200	157,988

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	29.8	26.6	37.0	248	0.88	0.61	89.9	90.6	0.58	22.8	23.4	—	90,257	90,257	3.22	4.31	4.78	91,628
Area	56.3	55.1	20.3	8.63	0.13	1.64	—	1.64	1.64	—	1.64	0.00	25,737	25,737	0.48	0.05	—	25,763
Energy	1.19	0.60	10.3	5.20	0.06	0.82	—	0.82	0.82	—	0.82	—	25,396	25,396	2.81	0.23	—	25,534
Water	—	—	—	—	—	—	—	—	—	—	—	126	562	688	13.0	0.32	—	1,108
Waste	—	—	—	—	—	—	—	—	—	—	—	656	0.00	656	65.6	0.00	—	2,297
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5
Total	87.3	82.3	67.6	262	1.08	3.08	89.9	93.0	3.04	22.8	25.8	783	141,952	142,734	85.1	4.91	20.3	146,346
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.2	28.0	35.5	285	0.93	0.61	89.5	90.1	0.58	22.7	23.3	—	94,686	94,686	3.12	4.23	79.6	96,104
Area	58.6	58.3	1.81	46.1	0.01	0.14	—	0.14	0.13	—	0.13	0.00	1,892	1,892	0.04	< 0.005	—	1,894
Energy	1.19	0.60	10.3	5.20	0.06	0.82	—	0.82	0.82	—	0.82	—	25,396	25,396	2.81	0.23	—	25,534
Water	—	—	—	—	—	—	—	—	—	—	—	126	562	688	13.0	0.32	—	1,108
Waste	—	—	—	—	—	—	—	—	—	—	—	656	0.00	656	65.6	0.00	—	2,297
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5
Total	91.0	86.9	47.6	336	1.00	1.58	89.5	91.1	1.53	22.7	24.2	783	122,536	123,318	84.6	4.78	95.2	126,953
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.70	5.12	6.48	52.0	0.17	0.11	16.3	16.4	0.11	4.14	4.25	—	15,676	15,676	0.52	0.70	13.2	15,911
Area	10.7	10.6	0.33	8.42	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	313	313	0.01	< 0.005	—	314
Energy	0.22	0.11	1.88	0.95	0.01	0.15	—	0.15	0.15	—	0.15	—	4,205	4,205	0.47	0.04	—	4,227
Water	—	—	—	—	—	—	—	—	—	—	—	20.9	93.1	114	2.16	0.05	—	184
Waste	—	—	—	—	—	—	—	—	—	—	—	109	0.00	109	10.9	0.00	—	380
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.57	2.57
Total	16.6	15.9	8.69	61.4	0.18	0.29	16.3	16.6	0.28	4.14	4.42	130	20,287	20,417	14.0	0.79	15.8	21,019

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	35.2	32.0	34.1	368	0.99	0.61	89.9	90.6	0.58	22.8	23.4	—	101,496	101,496	3.10	4.20	184	103,008
Area	49.6	48.4	20.3	8.63	0.13	1.64	—	1.64	1.64	—	1.64	0.00	25,737	25,737	0.48	0.05	—	25,763
Energy	0.96	0.48	8.34	4.36	0.05	0.67	—	0.67	0.67	—	0.67	—	17,284	17,284	1.84	0.13	—	17,368
Water	—	—	—	—	—	—	—	—	—	—	—	126	562	688	13.0	0.32	—	1,108
Waste	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	574
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5
Total	85.8	80.9	62.7	381	1.17	2.92	89.9	92.9	2.88	22.8	25.7	290	145,078	145,368	34.9	4.69	200	147,838
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	29.8	26.6	37.0	248	0.88	0.61	89.9	90.6	0.58	22.8	23.4	—	90,257	90,257	3.22	4.31	4.78	91,628
Area	49.6	48.4	20.3	8.63	0.13	1.64	—	1.64	1.64	—	1.64	0.00	25,737	25,737	0.48	0.05	—	25,763
Energy	0.96	0.48	8.34	4.36	0.05	0.67	—	0.67	0.67	—	0.67	—	17,252	17,252	1.84	0.13	—	17,337
Water	—	—	—	—	—	—	—	—	—	—	—	126	562	688	13.0	0.32	—	1,108
Waste	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	574
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5
Total	80.4	75.5	65.6	261	1.06	2.92	89.9	92.9	2.88	22.8	25.7	290	133,808	134,098	35.0	4.81	20.3	136,426
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.2	28.0	35.5	285	0.93	0.61	89.5	90.1	0.58	22.7	23.3	—	94,686	94,686	3.12	4.23	79.6	96,104
Area	47.4	47.3	1.39	0.59	0.01	0.11	—	0.11	0.11	—	0.11	0.00	1,763	1,763	0.03	< 0.005	—	1,765
Energy	0.96	0.48	8.34	4.36	0.05	0.67	—	0.67	0.67	—	0.67	—	17,268	17,268	1.84	0.13	—	17,353
Water	—	—	—	—	—	—	—	—	—	—	—	126	562	688	13.0	0.32	—	1,108

Waste	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	574
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5
Total	79.6	75.8	45.3	290	0.99	1.39	89.5	90.9	1.36	22.7	24.1	290	114,279	114,569	34.4	4.68	95.2	116,920
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.70	5.12	6.48	52.0	0.17	0.11	16.3	16.4	0.11	4.14	4.25	—	15,676	15,676	0.52	0.70	13.2	15,911
Area	8.65	8.63	0.25	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	292	292	0.01	< 0.005	—	292
Energy	0.18	0.09	1.52	0.80	0.01	0.12	—	0.12	0.12	—	0.12	—	2,859	2,859	0.30	0.02	—	2,873
Water	—	—	—	—	—	—	—	—	—	—	—	20.9	93.1	114	2.16	0.05	—	184
Waste	—	—	—	—	—	—	—	—	—	—	—	27.2	0.00	27.2	2.72	0.00	—	95.1
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.57	2.57
Total	14.5	13.8	8.26	52.9	0.18	0.25	16.3	16.6	0.25	4.14	4.39	48.1	18,920	18,968	5.70	0.78	15.8	19,357

3. Construction Emissions Details

3.1. Site Preparation (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	7.23	6.07	54.9	56.7	0.10	2.29	—	2.29	2.10	—	2.10	—	10,600	10,600	0.43	0.09	—	10,636
Dust From Material Movement	—	—	—	—	—	—	39.3	39.3	—	20.2	20.2	—	—	—	—	—	—	—
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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.48	1.25	11.3	11.7	0.02	0.47	—	0.47	0.43	—	0.43	—	2,178	2,178	0.09	0.02	—	2,186
Dust From Material Movement	—	—	—	—	—	—	8.08	8.08	—	4.15	4.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	2.06	2.13	< 0.005	0.09	—	0.09	0.08	—	0.08	—	361	361	0.01	< 0.005	—	362
Dust From Material Movement	—	—	—	—	—	—	1.47	1.47	—	0.76	0.76	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.14	2.70	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	489	489	< 0.005	0.02	1.32	496
Vendor	0.01	0.01	0.20	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	208	208	< 0.005	0.03	0.49	216
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.39	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	91.5	91.5	< 0.005	< 0.005	0.12	92.7
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.7	42.7	< 0.005	0.01	0.04	44.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.2	15.2	< 0.005	< 0.005	0.02	15.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.07	7.07	< 0.005	< 0.005	0.01	7.36
Hauling	0.00	0.00	0.00	0.00	0.00	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. Site Preparation (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	1.00	1.00	5.18	56.6	0.10	0.20	—	0.20	0.20	—	0.20	—	10,600	10,600	0.43	0.09	—	10,636
Dust From Material Movement	—	—	—	—	—	—	15.3	15.3	—	7.88	7.88	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.06	11.6	0.02	0.04	—	0.04	0.04	—	0.04	—	2,178	2,178	0.09	0.02	—	2,186

Dust From Material Movement	—	—	—	—	—	—	3.15	3.15	—	1.62	1.62	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.19	2.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	361	361	0.01	< 0.005	—	362
Dust From Material Movement	—	—	—	—	—	—	0.57	0.57	—	0.30	0.30	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.14	2.70	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	489	489	< 0.005	0.02	1.32	496
Vendor	0.01	0.01	0.20	0.09	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	208	208	< 0.005	0.03	0.49	216
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.39	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	91.5	91.5	< 0.005	< 0.005	0.12	92.7
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	42.7	42.7	< 0.005	0.01	0.04	44.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.2	15.2	< 0.005	< 0.005	0.02	15.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.07	7.07	< 0.005	< 0.005	0.01	7.36

Hauling	0.00	0.00	0.00	0.00	0.00	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. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.64	5.58	47.0	52.3	0.12	1.93	—	1.93	1.78	—	1.78	—	12,913	12,913	0.52	0.10	—	12,957
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	6.64	5.58	47.0	52.3	0.12	1.93	—	1.93	1.78	—	1.78	—	12,913	12,913	0.52	0.10	—	12,957
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.85	1.55	13.1	14.5	0.03	0.54	—	0.54	0.49	—	0.49	—	3,588	3,588	0.15	0.03	—	3,601

Dust From Material Movement:	—	—	—	—	—	—	5.12	5.12	—	2.03	2.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	2.39	2.65	0.01	0.10	—	0.10	0.09	—	0.09	—	594	594	0.02	< 0.005	—	596
Dust From Material Movement:	—	—	—	—	—	—	0.93	0.93	—	0.37	0.37	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.14	2.70	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	489	489	< 0.005	0.02	1.32	496
Vendor	0.01	0.01	0.23	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	237	237	< 0.005	0.03	0.56	247
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.12	0.12	0.15	1.52	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	417	417	0.01	0.02	0.03	422
Vendor	0.01	0.01	0.25	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	237	237	< 0.005	0.03	0.01	247
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.04	0.04	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.16	125
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.0	66.0	< 0.005	0.01	0.07	68.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.5	20.5	< 0.005	< 0.005	0.03	20.8
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.01	11.4
Hauling	0.00	0.00	0.00	0.00	0.00	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. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,913	12,913	0.52	0.10	—	12,957
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,913	12,913	0.52	0.10	—	12,957
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.34	0.34	2.09	19.1	0.03	0.07	—	0.07	0.07	—	0.07	—	3,588	3,588	0.15	0.03	—	3,601
Dust From Material Movement	—	—	—	—	—	—	1.99	1.99	—	0.79	0.79	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.06	0.38	3.48	0.01	0.01	—	0.01	0.01	—	0.01	—	594	594	0.02	< 0.005	—	596
Dust From Material Movement	—	—	—	—	—	—	0.36	0.36	—	0.14	0.14	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.14	2.70	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	489	489	< 0.005	0.02	1.32	496
Vendor	0.01	0.01	0.23	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	237	237	< 0.005	0.03	0.56	247
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.12	0.12	0.15	1.52	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	417	417	0.01	0.02	0.03	422
Vendor	0.01	0.01	0.25	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	237	237	< 0.005	0.03	0.01	247
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.04	0.04	0.53	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.16	125

Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.0	66.0	< 0.005	0.01	0.07	68.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.5	20.5	< 0.005	< 0.005	0.03	20.8
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.01	11.4
Hauling	0.00	0.00	0.00	0.00	0.00	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. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.44	5.41	43.9	51.7	0.12	1.80	—	1.80	1.65	—	1.65	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.55	0.47	3.78	4.45	0.01	0.15	—	0.15	0.14	—	0.14	—	1,111	1,111	0.05	0.01	—	1,115

Dust From Material Movement:	—	—	—	—	—	—	1.58	1.58	—	0.63	0.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.10	0.09	0.69	0.81	< 0.005	0.03	—	0.03	0.03	—	0.03	—	184	184	0.01	< 0.005	—	185
Dust From Material Movement:	—	—	—	—	—	—	0.29	0.29	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.12	0.10	0.14	1.43	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	410	410	0.01	0.02	0.03	415
Vendor	0.01	0.01	0.24	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	231	231	< 0.005	0.03	0.01	240
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.7	37.7	< 0.005	< 0.005	0.04	38.2
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.9	19.9	< 0.005	< 0.005	0.02	20.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	—	6.24	6.24	< 0.005	< 0.005	0.01	6.32
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.30	3.30	< 0.005	< 0.005	< 0.005	3.43

Hauling	0.00	0.00	0.00	0.00	0.00	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. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.65	5.92	0.01	0.02	—	0.02	0.02	—	0.02	—	1,111	1,111	0.05	0.01	—	1,115
Dust From Material Movement	—	—	—	—	—	—	0.62	0.62	—	0.25	0.25	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.12	1.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	184	184	0.01	< 0.005	—	185

Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.10	0.14	1.43	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	410	410	0.01	0.02	0.03	415
Vendor	0.01	0.01	0.24	0.10	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	231	231	< 0.005	0.03	0.01	240
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	37.7	37.7	< 0.005	< 0.005	0.04	38.2
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.9	19.9	< 0.005	< 0.005	0.02	20.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	—	6.24	6.24	< 0.005	< 0.005	0.01	6.32
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.30	3.30	< 0.005	< 0.005	< 0.005	3.43
Hauling	0.00	0.00	0.00	0.00	0.00	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. 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	5.21	4.35	39.3	63.1	0.10	1.08	—	1.08	0.99	—	0.99	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	5.21	4.35	39.3	63.1	0.10	1.08	—	1.08	0.99	—	0.99	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.27	2.73	24.7	39.6	0.06	0.68	—	0.68	0.62	—	0.62	—	6,351	6,351	0.26	0.05	—	6,373
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.60	0.50	4.51	7.23	0.01	0.12	—	0.12	0.11	—	0.11	—	1,051	1,051	0.04	0.01	—	1,055
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.71	3.67	3.24	67.4	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	12,899	12,899	0.12	0.45	31.8	13,067
Vendor	0.26	0.18	5.44	2.33	0.04	0.09	1.65	1.74	0.09	0.46	0.54	—	5,579	5,579	0.07	0.73	12.4	5,811
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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.15	2.68	3.62	38.4	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	10,995	10,995	0.14	0.45	0.83	11,132
Vendor	0.24	0.16	5.84	2.42	0.04	0.09	1.65	1.74	0.09	0.46	0.54	—	5,586	5,586	0.07	0.73	0.32	5,806
Hauling	0.00	0.00	0.00	0.00	0.00	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	2.08	2.04	2.01	30.0	0.00	0.00	7.68	7.68	0.00	1.80	1.80	—	7,378	7,378	0.08	0.28	8.64	7,472
Vendor	0.15	0.10	3.57	1.49	0.03	0.05	1.03	1.09	0.05	0.29	0.34	—	3,506	3,506	0.05	0.46	3.35	3,647
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.37	0.37	5.47	0.00	0.00	1.40	1.40	0.00	0.33	0.33	—	1,222	1,222	0.01	0.05	1.43	1,237
Vendor	0.03	0.02	0.65	0.27	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	581	581	0.01	0.08	0.55	604
Hauling	0.00	0.00	0.00	0.00	0.00	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. 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	1.31	1.26	15.5	67.2	0.10	0.25	—	0.25	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.31	1.26	15.5	67.2	0.10	0.25	—	0.25	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.82	0.79	9.71	42.2	0.06	0.15	—	0.15	0.15	—	0.15	—	6,351	6,351	0.26	0.05	—	6,373
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.15	0.14	1.77	7.71	0.01	0.03	—	0.03	0.03	—	0.03	—	1,051	1,051	0.04	0.01	—	1,055
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.71	3.67	3.24	67.4	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	12,899	12,899	0.12	0.45	31.8	13,067
Vendor	0.26	0.18	5.44	2.33	0.04	0.09	1.65	1.74	0.09	0.46	0.54	—	5,579	5,579	0.07	0.73	12.4	5,811
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.15	2.68	3.62	38.4	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	10,995	10,995	0.14	0.45	0.83	11,132
Vendor	0.24	0.16	5.84	2.42	0.04	0.09	1.65	1.74	0.09	0.46	0.54	—	5,586	5,586	0.07	0.73	0.32	5,806
Hauling	0.00	0.00	0.00	0.00	0.00	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	2.08	2.04	2.01	30.0	0.00	0.00	7.68	7.68	0.00	1.80	1.80	—	7,378	7,378	0.08	0.28	8.64	7,472
Vendor	0.15	0.10	3.57	1.49	0.03	0.05	1.03	1.09	0.05	0.29	0.34	—	3,506	3,506	0.05	0.46	3.35	3,647

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.37	0.37	5.47	0.00	0.00	1.40	1.40	0.00	0.33	0.33	—	1,222	1,222	0.01	0.05	1.43	1,237
Vendor	0.03	0.02	0.65	0.27	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	581	581	0.01	0.08	0.55	604
Hauling	0.00	0.00	0.00	0.00	0.00	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. 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	5.05	4.21	38.5	63.0	0.10	0.99	—	0.99	0.91	—	0.91	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	5.05	4.21	38.5	63.0	0.10	0.99	—	0.99	0.91	—	0.91	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.60	3.01	27.5	45.0	0.07	0.71	—	0.71	0.65	—	0.65	—	7,222	7,222	0.29	0.06	—	7,246
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.66	0.55	5.02	8.21	0.01	0.13	—	0.13	0.12	—	0.12	—	1,196	1,196	0.05	0.01	—	1,200
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.52	3.10	2.84	63.2	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	12,679	12,679	0.10	0.45	28.4	12,843
Vendor	0.26	0.18	5.24	2.28	0.04	0.09	1.65	1.74	0.09	0.46	0.54	—	5,422	5,422	0.07	0.73	11.3	5,653
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.04	2.60	3.22	35.6	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	10,812	10,812	0.14	0.45	0.74	10,949
Vendor	0.23	0.15	5.65	2.32	0.04	0.09	1.65	1.74	0.09	0.46	0.54	—	5,428	5,428	0.07	0.73	0.29	5,648
Hauling	0.00	0.00	0.00	0.00	0.00	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	2.25	1.93	2.27	31.9	0.00	0.00	8.73	8.73	0.00	2.05	2.05	—	8,249	8,249	0.09	0.32	8.77	8,355
Vendor	0.17	0.12	3.91	1.62	0.03	0.06	1.18	1.24	0.06	0.32	0.39	—	3,875	3,875	0.05	0.52	3.48	4,035
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.35	0.41	5.82	0.00	0.00	1.59	1.59	0.00	0.37	0.37	—	1,366	1,366	0.01	0.05	1.45	1,383
Vendor	0.03	0.02	0.71	0.30	0.01	0.01	0.21	0.23	0.01	0.06	0.07	—	642	642	0.01	0.09	0.58	668
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (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	1.31	1.26	15.5	67.2	0.10	0.25	—	0.25	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.31	1.26	15.5	67.2	0.10	0.25	—	0.25	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.93	0.90	11.0	48.0	0.07	0.18	—	0.18	0.17	—	0.17	—	7,222	7,222	0.29	0.06	—	7,246
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.17	0.16	2.01	8.76	0.01	0.03	—	0.03	0.03	—	0.03	—	1,196	1,196	0.05	0.01	—	1,200
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.52	3.10	2.84	63.2	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	12,679	12,679	0.10	0.45	28.4	12,843
Vendor	0.26	0.18	5.24	2.28	0.04	0.09	1.65	1.74	0.09	0.46	0.54	—	5,422	5,422	0.07	0.73	11.3	5,653
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.04	2.60	3.22	35.6	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	10,812	10,812	0.14	0.45	0.74	10,949
Vendor	0.23	0.15	5.65	2.32	0.04	0.09	1.65	1.74	0.09	0.46	0.54	—	5,428	5,428	0.07	0.73	0.29	5,648
Hauling	0.00	0.00	0.00	0.00	0.00	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	2.25	1.93	2.27	31.9	0.00	0.00	8.73	8.73	0.00	2.05	2.05	—	8,249	8,249	0.09	0.32	8.77	8,355
Vendor	0.17	0.12	3.91	1.62	0.03	0.06	1.18	1.24	0.06	0.32	0.39	—	3,875	3,875	0.05	0.52	3.48	4,035
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.35	0.41	5.82	0.00	0.00	1.59	1.59	0.00	0.37	0.37	—	1,366	1,366	0.01	0.05	1.45	1,383
Vendor	0.03	0.02	0.71	0.30	0.01	0.01	0.21	0.23	0.01	0.06	0.07	—	642	642	0.01	0.09	0.58	668
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (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	4.91	4.10	37.5	62.8	0.10	0.91	—	0.91	0.83	—	0.83	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.60	0.51	4.63	7.75	0.01	0.11	—	0.11	0.10	—	0.10	—	1,246	1,246	0.05	0.01	—	1,251
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.11	0.09	0.84	1.41	< 0.005	0.02	—	0.02	0.02	—	0.02	—	206	206	0.01	< 0.005	—	207
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	2.90	2.45	2.82	33.3	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	10,644	10,644	0.12	0.45	0.66	10,780
Vendor	0.23	0.15	5.44	2.27	0.04	0.09	1.65	1.74	0.09	0.46	0.54	—	5,268	5,268	0.07	0.73	0.27	5,487
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.37	0.32	0.34	5.13	0.00	0.00	1.51	1.51	0.00	0.35	0.35	—	1,401	1,401	0.02	0.05	1.35	1,419
Vendor	0.03	0.02	0.66	0.27	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	649	649	0.01	0.09	0.55	677
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.94	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	232	232	< 0.005	0.01	0.22	235
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	107	107	< 0.005	0.01	0.09	112
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (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	1.30	1.26	15.4	67.2	0.10	0.25	—	0.25	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.16	0.16	1.90	8.29	0.01	0.03	—	0.03	0.03	—	0.03	—	1,246	1,246	0.05	0.01	—	1,251
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.35	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	206	206	0.01	< 0.005	—	207
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	2.90	2.45	2.82	33.3	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	10,644	10,644	0.12	0.45	0.66	10,780
Vendor	0.23	0.15	5.44	2.27	0.04	0.09	1.65	1.74	0.09	0.46	0.54	—	5,268	5,268	0.07	0.73	0.27	5,487
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.37	0.32	0.34	5.13	0.00	0.00	1.51	1.51	0.00	0.35	0.35	—	1,401	1,401	0.02	0.05	1.35	1,419
Vendor	0.03	0.02	0.66	0.27	0.01	0.01	0.20	0.21	0.01	0.06	0.07	—	649	649	0.01	0.09	0.55	677
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.94	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	232	232	< 0.005	0.01	0.22	235
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	107	107	< 0.005	0.01	0.09	112
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.53	1.29	12.6	19.8	0.03	0.44	—	0.44	0.41	—	0.41	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.53	1.29	12.6	19.8	0.03	0.44	—	0.44	0.41	—	0.41	—	3,021	3,021	0.12	0.02	—	3,032

Paving	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.69	6.76	10.7	0.02	0.24	—	0.24	0.22	—	0.22	—	1,626	1,626	0.07	0.01	—	1,631
Paving	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.23	1.94	< 0.005	0.04	—	0.04	0.04	—	0.04	—	269	269	0.01	< 0.005	—	270
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	2.02	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	405	405	< 0.005	0.01	0.91	410
Vendor	0.01	0.01	0.19	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	196	196	< 0.005	0.03	0.41	205
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.08	0.10	1.14	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	345	345	< 0.005	0.01	0.02	350
Vendor	0.01	0.01	0.20	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	197	197	< 0.005	0.03	0.01	205
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.05	0.77	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	198	198	< 0.005	0.01	0.21	201

Vendor	< 0.005	< 0.005	0.11	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	< 0.005	0.01	0.10	110
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.14	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	32.9	32.9	< 0.005	< 0.005	0.03	33.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.5	17.5	< 0.005	< 0.005	0.02	18.2
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

3.14. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.17	2.08	11.4	0.02	0.03	—	0.03	0.03	—	0.03	—	1,626	1,626	0.07	0.01	—	1,631

Paving	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.38	2.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	269	269	0.01	< 0.005	—	270
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	2.02	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	405	405	< 0.005	0.01	0.91	410
Vendor	0.01	0.01	0.19	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	196	196	< 0.005	0.03	0.41	205
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.08	0.10	1.14	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	345	345	< 0.005	0.01	0.02	350
Vendor	0.01	0.01	0.20	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	197	197	< 0.005	0.03	0.01	205
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.05	0.77	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	198	198	< 0.005	0.01	0.21	201
Vendor	< 0.005	< 0.005	0.11	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	< 0.005	0.01	0.10	110
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.14	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	32.9	32.9	< 0.005	< 0.005	0.03	33.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.5	17.5	< 0.005	< 0.005	0.02	18.2

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

3.15. Paving (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	1.49	1.26	12.3	19.8	0.03	0.42	—	0.42	0.39	—	0.39	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.49	1.26	12.3	19.8	0.03	0.42	—	0.42	0.39	—	0.39	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.43	4.24	6.85	0.01	0.15	—	0.15	0.13	—	0.13	—	1,047	1,047	0.04	0.01	—	1,050
Paving	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.08	0.77	1.25	< 0.005	0.03	—	0.03	0.02	—	0.02	—	173	173	0.01	< 0.005	—	174

Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.11	0.09	0.09	1.88	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	398	398	< 0.005	0.01	0.81	404
Vendor	0.01	0.01	0.18	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	191	191	< 0.005	0.03	0.37	199
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.09	0.08	0.09	1.06	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	340	340	< 0.005	0.01	0.02	344
Vendor	0.01	0.01	0.20	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	191	191	< 0.005	0.03	0.01	199
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.03	0.46	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	126	126	< 0.005	< 0.005	0.12	127
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.1	66.1	< 0.005	0.01	0.06	68.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.08	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.8	20.8	< 0.005	< 0.005	0.02	21.1
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.01	11.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Paving (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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	1.34	7.34	0.01	0.02	—	0.02	0.02	—	0.02	—	1,047	1,047	0.04	0.01	—	1,050
Paving	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.24	1.34	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	173	173	0.01	< 0.005	—	174
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.11	0.09	0.09	1.88	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	398	398	< 0.005	0.01	0.81	404
Vendor	0.01	0.01	0.18	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	191	191	< 0.005	0.03	0.37	199
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.09	0.08	0.09	1.06	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	340	340	< 0.005	0.01	0.02	344
Vendor	0.01	0.01	0.20	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	191	191	< 0.005	0.03	0.01	199
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.03	0.46	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	126	126	< 0.005	< 0.005	0.12	127
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.1	66.1	< 0.005	0.01	0.06	68.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.08	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	20.8	20.8	< 0.005	< 0.005	0.02	21.1
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.01	11.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. 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	1.19	0.98	7.85	11.1	0.02	0.11	—	0.11	0.10	—	0.10	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	38.5	38.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.19	0.98	7.85	11.1	0.02	0.11	—	0.11	0.10	—	0.10	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	38.5	38.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.54	4.27	6.02	0.01	0.06	—	0.06	0.05	—	0.05	—	726	726	0.03	0.01	—	729
Architect ural Coatings	20.9	20.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	120	120	< 0.005	< 0.005	—	121
Architect ural Coatings	3.82	3.82	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.70	0.62	0.57	12.6	0.00	0.00	2.46	2.46	0.00	0.58	0.58	—	2,536	2,536	0.02	0.09	5.69	2,569
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	0.61	0.52	0.64	7.13	0.00	0.00	2.46	2.46	0.00	0.58	0.58	—	2,162	2,162	0.03	0.09	0.15	2,190
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	0.34	0.29	0.35	4.86	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,257	1,257	0.01	0.05	1.34	1,273
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	0.06	0.05	0.06	0.89	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	208	208	< 0.005	0.01	0.22	211
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. 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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	7.70	7.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	7.70	7.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.12	0.12	3.51	5.24	0.01	0.01	—	0.01	0.01	—	0.01	—	726	726	0.03	0.01	—	729
Architect ural Coatings	4.19	4.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.64	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	120	120	< 0.005	< 0.005	—	121
Architect ural Coatings	0.76	0.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.70	0.62	0.57	12.6	0.00	0.00	2.46	2.46	0.00	0.58	0.58	—	2,536	2,536	0.02	0.09	5.69	2,569
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	0.61	0.52	0.64	7.13	0.00	0.00	2.46	2.46	0.00	0.58	0.58	—	2,162	2,162	0.03	0.09	0.15	2,190
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	0.34	0.29	0.35	4.86	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,257	1,257	0.01	0.05	1.34	1,273
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	0.06	0.05	0.06	0.89	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	208	208	< 0.005	0.01	0.22	211
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Architectural Coating (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	1.15	0.95	7.77	11.0	0.02	0.09	—	0.09	0.09	—	0.09	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	38.5	38.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.95	7.77	11.0	0.02	0.09	—	0.09	0.09	—	0.09	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	38.5	38.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.45	3.69	5.25	0.01	0.04	—	0.04	0.04	—	0.04	—	635	635	0.03	0.01	—	637
Architect ural Coatings	18.3	18.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.67	0.96	< 0.005	0.01	—	0.01	0.01	—	0.01	—	105	105	< 0.005	< 0.005	—	105
Architect ural Coatings	3.34	3.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.67	0.59	0.56	11.8	0.00	0.00	2.46	2.46	0.00	0.58	0.58	—	2,495	2,495	0.02	0.09	5.07	2,528
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	0.58	0.49	0.56	6.66	0.00	0.00	2.46	2.46	0.00	0.58	0.58	—	2,129	2,129	0.02	0.09	0.13	2,156
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.24	0.26	3.96	0.00	0.00	1.16	1.16	0.00	0.27	0.27	—	1,081	1,081	0.01	0.04	1.04	1,095
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	0.05	0.04	0.05	0.72	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	179	179	< 0.005	0.01	0.17	181
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Architectural Coating (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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	7.70	7.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	7.70	7.70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.10	0.10	3.07	4.58	0.01	0.01	—	0.01	0.01	—	0.01	—	635	635	0.03	0.01	—	637
Architect ural Coatings	3.66	3.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.56	0.84	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	105	105	< 0.005	< 0.005	—	105
Architect ural Coatings	0.67	0.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.67	0.59	0.56	11.8	0.00	0.00	2.46	2.46	0.00	0.58	0.58	—	2,495	2,495	0.02	0.09	5.07	2,528
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	0.58	0.49	0.56	6.66	0.00	0.00	2.46	2.46	0.00	0.58	0.58	—	2,129	2,129	0.02	0.09	0.13	2,156
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.24	0.26	3.96	0.00	0.00	1.16	1.16	0.00	0.27	0.27	—	1,081	1,081	0.01	0.04	1.04	1,095
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	0.05	0.04	0.05	0.72	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	179	179	< 0.005	0.01	0.17	181
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
Arena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	35.2	32.0	34.1	368	0.99	0.61	89.9	90.6	0.58	22.8	23.4	—	101,496	101,496	3.10	4.20	184	103,008
Total	35.2	32.0	34.1	368	0.99	0.61	89.9	90.6	0.58	22.8	23.4	—	101,496	101,496	3.10	4.20	184	103,008
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	0.00	0.00	0.00	0.00	0.00	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

Other Non-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
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
Arena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	29.8	26.6	37.0	248	0.88	0.61	89.9	90.6	0.58	22.8	23.4	—	90,257	90,257	3.22	4.31	4.78	91,628
Total	29.8	26.6	37.0	248	0.88	0.61	89.9	90.6	0.58	22.8	23.4	—	90,257	90,257	3.22	4.31	4.78	91,628
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
Arena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Apartme Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	5.70	5.12	6.48	52.0	0.17	0.11	16.3	16.4	0.11	4.14	4.25	—	15,676	15,676	0.52	0.70	13.2	15,911
Total	5.70	5.12	6.48	52.0	0.17	0.11	16.3	16.4	0.11	4.14	4.25	—	15,676	15,676	0.52	0.70	13.2	15,911

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
Arena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Single Family Housing	35.2	32.0	34.1	368	0.99	0.61	89.9	90.6	0.58	22.8	23.4	—	101,496	101,496	3.10	4.20	184	103,008
Total	35.2	32.0	34.1	368	0.99	0.61	89.9	90.6	0.58	22.8	23.4	—	101,496	101,496	3.10	4.20	184	103,008
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
Arena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	29.8	26.6	37.0	248	0.88	0.61	89.9	90.6	0.58	22.8	23.4	—	90,257	90,257	3.22	4.31	4.78	91,628
Total	29.8	26.6	37.0	248	0.88	0.61	89.9	90.6	0.58	22.8	23.4	—	90,257	90,257	3.22	4.31	4.78	91,628
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
Arena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	5.70	5.12	6.48	52.0	0.17	0.11	16.3	16.4	0.11	4.14	4.25	—	15,676	15,676	0.52	0.70	13.2	15,911
Total	5.70	5.12	6.48	52.0	0.17	0.11	16.3	16.4	0.11	4.14	4.25	—	15,676	15,676	0.52	0.70	13.2	15,911

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	291	291	0.04	< 0.005	—	294

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	492	492	0.07	0.01	—	497
Arena	—	—	—	—	—	—	—	—	—	—	—	—	4,468	4,468	0.60	0.07	—	4,504
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,183	2,183	0.29	0.04	—	2,200
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,601	1,601	0.21	0.03	—	1,615
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	3,450	3,450	0.46	0.06	—	3,478
Total	—	—	—	—	—	—	—	—	—	—	—	—	12,486	12,486	1.67	0.20	—	12,588
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	291	291	0.04	< 0.005	—	294
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	492	492	0.07	0.01	—	497
Arena	—	—	—	—	—	—	—	—	—	—	—	—	4,468	4,468	0.60	0.07	—	4,504

City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,183	2,183	0.29	0.04	—	2,200
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,601	1,601	0.21	0.03	—	1,615
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	3,450	3,450	0.46	0.06	—	3,478
Total	—	—	—	—	—	—	—	—	—	—	—	—	12,486	12,486	1.67	0.20	—	12,588
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	48.2	48.2	0.01	< 0.005	—	48.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	81.5	81.5	0.01	< 0.005	—	82.2
Arena	—	—	—	—	—	—	—	—	—	—	—	—	740	740	0.10	0.01	—	746
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	361	361	0.05	0.01	—	364
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	265	265	0.04	< 0.005	—	267
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	571	571	0.08	0.01	—	576
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,067	2,067	0.28	0.03	—	2,084

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	106	106	0.01	< 0.005	—	107
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	492	492	0.07	0.01	—	497
Arena	—	—	—	—	—	—	—	—	—	—	—	—	1,928	1,928	0.26	0.03	—	1,943
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	990	990	0.13	0.02	—	998
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	731	731	0.10	0.01	—	737
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,594	2,594	0.35	0.04	—	2,615
Total	—	—	—	—	—	—	—	—	—	—	—	—	6,841	6,841	0.92	0.11	—	6,897
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Element ary	—	—	—	—	—	—	—	—	—	—	—	—	105	105	0.01	< 0.005	—	106
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	492	492	0.07	0.01	—	497
Arena	—	—	—	—	—	—	—	—	—	—	—	—	1,923	1,923	0.26	0.03	—	1,939
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	981	981	0.13	0.02	—	989
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	724	724	0.10	0.01	—	729
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,584	2,584	0.35	0.04	—	2,605
Total	—	—	—	—	—	—	—	—	—	—	—	—	6,810	6,810	0.91	0.11	—	6,865
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	—	—	—	—	—	—	—	—	—	—	—	—	17.5	17.5	< 0.005	< 0.005	—	17.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	81.5	81.5	0.01	< 0.005	—	82.2
Arena	—	—	—	—	—	—	—	—	—	—	—	—	319	319	0.04	0.01	—	321

City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	163	163	0.02	< 0.005	—	165
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	120	120	0.02	< 0.005	—	121
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	429	429	0.06	0.01	—	432
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,130	1,130	0.15	0.02	—	1,139

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	110	110	0.01	< 0.005	—	110
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
Other Non-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
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
Arena	0.21	0.10	1.90	1.60	0.01	0.14	—	0.14	0.14	—	0.14	—	2,267	2,267	0.20	< 0.005	—	2,274
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Low Rise	0.24	0.12	2.02	0.86	0.01	0.16	—	0.16	0.16	—	0.16	—	2,567	2,567	0.23	< 0.005	—	2,574
Apartments Mid Rise	0.16	0.08	1.36	0.58	0.01	0.11	—	0.11	0.11	—	0.11	—	1,731	1,731	0.15	< 0.005	—	1,736
Single Family Housing	0.57	0.29	4.91	2.09	0.03	0.40	—	0.40	0.40	—	0.40	—	6,235	6,235	0.55	0.01	—	6,252
Total	1.19	0.60	10.3	5.20	0.06	0.82	—	0.82	0.82	—	0.82	—	12,910	12,910	1.14	0.02	—	12,946
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	110	110	0.01	< 0.005	—	110
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
Other Non-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
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
Arena	0.21	0.10	1.90	1.60	0.01	0.14	—	0.14	0.14	—	0.14	—	2,267	2,267	0.20	< 0.005	—	2,274
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.24	0.12	2.02	0.86	0.01	0.16	—	0.16	0.16	—	0.16	—	2,567	2,567	0.23	< 0.005	—	2,574
Apartments Mid Rise	0.16	0.08	1.36	0.58	0.01	0.11	—	0.11	0.11	—	0.11	—	1,731	1,731	0.15	< 0.005	—	1,736
Single Family Housing	0.57	0.29	4.91	2.09	0.03	0.40	—	0.40	0.40	—	0.40	—	6,235	6,235	0.55	0.01	—	6,252

Total	1.19	0.60	10.3	5.20	0.06	0.82	—	0.82	0.82	—	0.82	—	12,910	12,910	1.14	0.02	—	12,946
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.2	18.2	< 0.005	< 0.005	—	18.2
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
Other Non-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
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
Arena	0.04	0.02	0.35	0.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	375	375	0.03	< 0.005	—	376
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.04	0.02	0.37	0.16	< 0.005	0.03	—	0.03	0.03	—	0.03	—	425	425	0.04	< 0.005	—	426
Apartments Mid Rise	0.03	0.01	0.25	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	—	287	287	0.03	< 0.005	—	287
Single Family Housing	0.10	0.05	0.90	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,032	1,032	0.09	< 0.005	—	1,035
Total	0.22	0.11	1.88	0.95	0.01	0.15	—	0.15	0.15	—	0.15	—	2,137	2,137	0.19	< 0.005	—	2,143

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Element School	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	106
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
Other Non-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
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
Arena	0.21	0.10	1.87	1.57	0.01	0.14	—	0.14	0.14	—	0.14	—	2,237	2,237	0.20	< 0.005	—	2,243
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	1,940	1,940	0.17	< 0.005	—	1,945
Apartments Mid Rise	0.12	0.06	1.04	0.44	0.01	0.08	—	0.08	0.08	—	0.08	—	1,314	1,314	0.12	< 0.005	—	1,318
Single Family Housing	0.45	0.22	3.82	1.62	0.02	0.31	—	0.31	0.31	—	0.31	—	4,846	4,846	0.43	0.01	—	4,859
Total	0.96	0.48	8.34	4.36	0.05	0.67	—	0.67	0.67	—	0.67	—	10,443	10,443	0.92	0.02	—	10,472
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	106
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
Other Non-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

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
Arena	0.21	0.10	1.87	1.57	0.01	0.14	—	0.14	0.14	—	0.14	—	2,237	2,237	0.20	< 0.005	—	2,243
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	1,940	1,940	0.17	< 0.005	—	1,945
Apartments Mid Rise	0.12	0.06	1.04	0.44	0.01	0.08	—	0.08	0.08	—	0.08	—	1,314	1,314	0.12	< 0.005	—	1,318
Single Family Housing	0.45	0.22	3.82	1.62	0.02	0.31	—	0.31	0.31	—	0.31	—	4,846	4,846	0.43	0.01	—	4,859
Total	0.96	0.48	8.34	4.36	0.05	0.67	—	0.67	0.67	—	0.67	—	10,443	10,443	0.92	0.02	—	10,472
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.5	17.5	< 0.005	< 0.005	—	17.5
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
Other Non-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
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
Arena	0.04	0.02	0.34	0.29	< 0.005	0.03	—	0.03	0.03	—	0.03	—	370	370	0.03	< 0.005	—	371
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.03	0.02	0.28	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	321	321	0.03	< 0.005	—	322
Apartments Mid Rise	0.02	0.01	0.19	0.08	< 0.005	0.02	—	0.02	0.02	—	0.02	—	218	218	0.02	< 0.005	—	218

Single Family Housing	0.08	0.04	0.70	0.30	< 0.005	0.06	—	0.06	0.06	—	0.06	—	802	802	0.07	< 0.005	—	805
Total	0.18	0.09	1.52	0.80	0.01	0.12	—	0.12	0.12	—	0.12	—	1,729	1,729	0.15	< 0.005	—	1,734

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	2.37	1.19	20.3	8.63	0.13	1.64	—	1.64	1.64	—	1.64	0.00	25,737	25,737	0.48	0.05	—	25,763
Consumer Products	50.0	50.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.91	3.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	9.31	8.77	0.85	92.4	< 0.005	0.06	—	0.06	0.04	—	0.04	—	261	261	0.01	< 0.005	—	262
Total	65.6	63.8	21.1	101	0.13	1.69	—	1.69	1.68	—	1.68	0.00	25,998	25,998	0.50	0.05	—	26,025
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	2.37	1.19	20.3	8.63	0.13	1.64	—	1.64	1.64	—	1.64	0.00	25,737	25,737	0.48	0.05	—	25,763
Consumer Products	50.0	50.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	3.91	3.91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	56.3	55.1	20.3	8.63	0.13	1.64	—	1.64	1.64	—	1.64	0.00	25,737	25,737	0.48	0.05	—	25,763
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.03	0.01	0.25	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	292	292	0.01	< 0.005	—	292
Consumer Products	9.12	9.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.71	0.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.84	0.79	0.08	8.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.3	21.3	< 0.005	< 0.005	—	21.4
Total	10.7	10.6	0.33	8.42	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	313	313	0.01	< 0.005	—	314

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	2.37	1.19	20.3	8.63	0.13	1.64	—	1.64	1.64	—	1.64	0.00	25,737	25,737	0.48	0.05	—	25,763
Consumer Products	46.4	46.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.78	0.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	49.6	48.4	20.3	8.63	0.13	1.64	—	1.64	1.64	—	1.64	0.00	25,737	25,737	0.48	0.05	—	25,763

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	2.37	1.19	20.3	8.63	0.13	1.64	—	1.64	1.64	—	1.64	0.00	25,737	25,737	0.48	0.05	—	25,763
Consumer Products	46.4	46.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.78	0.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	49.6	48.4	20.3	8.63	0.13	1.64	—	1.64	1.64	—	1.64	0.00	25,737	25,737	0.48	0.05	—	25,763
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.03	0.01	0.25	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	292	292	0.01	< 0.005	—	292
Consumer Products	8.47	8.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.14	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.65	8.63	0.25	0.11	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	292	292	0.01	< 0.005	—	292

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	1.28	2.13	3.41	0.13	< 0.005	—	7.63

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
Arena	—	—	—	—	—	—	—	—	—	—	—	12.9	21.5	34.4	1.33	0.03	—	77.0
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	351	351	0.05	0.01	—	354
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	36.8	61.4	98.2	3.78	0.09	—	220
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	32.7	54.5	87.2	3.36	0.08	—	195
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	42.6	71.2	114	4.38	0.11	—	255
Total	—	—	—	—	—	—	—	—	—	—	—	126	562	688	13.0	0.32	—	1,108
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	1.28	2.13	3.41	0.13	< 0.005	—	7.63
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
Arena	—	—	—	—	—	—	—	—	—	—	—	12.9	21.5	34.4	1.33	0.03	—	77.0

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	351	351	0.05	0.01	—	354
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	36.8	61.4	98.2	3.78	0.09	—	220
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	32.7	54.5	87.2	3.36	0.08	—	195
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	42.6	71.2	114	4.38	0.11	—	255
Total	—	—	—	—	—	—	—	—	—	—	—	126	562	688	13.0	0.32	—	1,108
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	0.21	0.35	0.56	0.02	< 0.005	—	1.26
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
Arena	—	—	—	—	—	—	—	—	—	—	—	2.14	3.57	5.70	0.22	0.01	—	12.8
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	58.2	58.2	0.01	< 0.005	—	58.7
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	6.09	10.2	16.3	0.63	0.02	—	36.4
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	5.41	9.03	14.4	0.56	0.01	—	32.3
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	7.06	11.8	18.8	0.73	0.02	—	42.2
Total	—	—	—	—	—	—	—	—	—	—	—	20.9	93.1	114	2.16	0.05	—	184

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	1.28	2.13	3.41	0.13	< 0.005	—	7.63
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
Arena	—	—	—	—	—	—	—	—	—	—	—	12.9	21.5	34.4	1.33	0.03	—	77.0
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	351	351	0.05	0.01	—	354
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	36.8	61.4	98.2	3.78	0.09	—	220
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	32.7	54.5	87.2	3.36	0.08	—	195
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	42.6	71.2	114	4.38	0.11	—	255
Total	—	—	—	—	—	—	—	—	—	—	—	126	562	688	13.0	0.32	—	1,108
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Element ary	—	—	—	—	—	—	—	—	—	—	—	1.28	2.13	3.41	0.13	< 0.005	—	7.63
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
Arena	—	—	—	—	—	—	—	—	—	—	—	12.9	21.5	34.4	1.33	0.03	—	77.0
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	351	351	0.05	0.01	—	354
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	36.8	61.4	98.2	3.78	0.09	—	220
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	32.7	54.5	87.2	3.36	0.08	—	195
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	42.6	71.2	114	4.38	0.11	—	255
Total	—	—	—	—	—	—	—	—	—	—	—	126	562	688	13.0	0.32	—	1,108
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	—	—	—	—	—	—	—	—	—	—	—	0.21	0.35	0.56	0.02	< 0.005	—	1.26
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
Arena	—	—	—	—	—	—	—	—	—	—	—	2.14	3.57	5.70	0.22	0.01	—	12.8

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	58.2	58.2	0.01	< 0.005	—	58.7
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	6.09	10.2	16.3	0.63	0.02	—	36.4
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	5.41	9.03	14.4	0.56	0.01	—	32.3
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	7.06	11.8	18.8	0.73	0.02	—	42.2
Total	—	—	—	—	—	—	—	—	—	—	—	20.9	93.1	114	2.16	0.05	—	184

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	27.0	0.00	27.0	2.70	0.00	—	94.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
Arena	—	—	—	—	—	—	—	—	—	—	—	0.23	0.00	0.23	0.02	0.00	—	0.81

City Park	—	—	—	—	—	—	—	—	—	—	—	4.13	0.00	4.13	0.41	0.00	—	14.4
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	188	0.00	188	18.8	0.00	—	658
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	167	0.00	167	16.7	0.00	—	584
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	270	0.00	270	27.0	0.00	—	944
Total	—	—	—	—	—	—	—	—	—	—	—	656	0.00	656	65.6	0.00	—	2,297
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	27.0	0.00	27.0	2.70	0.00	—	94.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
Arena	—	—	—	—	—	—	—	—	—	—	—	0.23	0.00	0.23	0.02	0.00	—	0.81
City Park	—	—	—	—	—	—	—	—	—	—	—	4.13	0.00	4.13	0.41	0.00	—	14.4
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	188	0.00	188	18.8	0.00	—	658
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	167	0.00	167	16.7	0.00	—	584

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	270	0.00	270	27.0	0.00	—	944
Total	—	—	—	—	—	—	—	—	—	—	—	656	0.00	656	65.6	0.00	—	2,297
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	4.48	0.00	4.48	0.45	0.00	—	15.7
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
Arena	—	—	—	—	—	—	—	—	—	—	—	0.04	0.00	0.04	< 0.005	0.00	—	0.13
City Park	—	—	—	—	—	—	—	—	—	—	—	0.68	0.00	0.68	0.07	0.00	—	2.39
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	31.2	0.00	31.2	3.11	0.00	—	109
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	27.6	0.00	27.6	2.76	0.00	—	96.7
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	44.7	0.00	44.7	4.47	0.00	—	156
Total	—	—	—	—	—	—	—	—	—	—	—	109	0.00	109	10.9	0.00	—	380

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	—	—	—	—	—	—	—	—	—	—	—	6.76	0.00	6.76	0.68	0.00	—	23.7
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
Arena	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.20
City Park	—	—	—	—	—	—	—	—	—	—	—	1.03	0.00	1.03	0.10	0.00	—	3.61
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	47.0	0.00	47.0	4.70	0.00	—	165
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	41.7	0.00	41.7	4.17	0.00	—	146
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	67.5	0.00	67.5	6.75	0.00	—	236
Total	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	574
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	—	—	—	—	—	—	—	—	—	—	—	6.76	0.00	6.76	0.68	0.00	—	23.7
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
Arena	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	0.00	—	0.20
City Park	—	—	—	—	—	—	—	—	—	—	—	1.03	0.00	1.03	0.10	0.00	—	3.61
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	47.0	0.00	47.0	4.70	0.00	—	165
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	41.7	0.00	41.7	4.17	0.00	—	146
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	67.5	0.00	67.5	6.75	0.00	—	236
Total	—	—	—	—	—	—	—	—	—	—	—	164	0.00	164	16.4	0.00	—	574
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	1.12	0.00	1.12	0.11	0.00	—	3.92
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
Arena	—	—	—	—	—	—	—	—	—	—	—	0.01	0.00	0.01	< 0.005	0.00	—	0.03
City Park	—	—	—	—	—	—	—	—	—	—	—	0.17	0.00	0.17	0.02	0.00	—	0.60
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	7.79	0.00	7.79	0.78	0.00	—	27.2

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	6.91	0.00	6.91	0.69	0.00	—	24.2
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	11.2	0.00	11.2	1.12	0.00	—	39.1
Total	—	—	—	—	—	—	—	—	—	—	—	27.2	0.00	27.2	2.72	0.00	—	95.1

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.36	1.36
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.58	3.58
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.88	2.88
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.64	7.64
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Element School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.36	1.36
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.58	3.58
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.88	2.88
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.64	7.64
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.59	0.59
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.48	0.48
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.26	1.26
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.57	2.57

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.36	1.36
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.58	3.58
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.88	2.88
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.64	7.64
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.36	1.36
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.58	3.58
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.88	2.88
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.64	7.64
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Element School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Arena	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.22	0.22
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.59	0.59
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.48	0.48
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.26	1.26
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.57	2.57

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

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

4.9.2. Mitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Site Preparation	Site Preparation	5/1/2028	8/11/2028	5.00	75.0	—
Grading	Grading	8/12/2028	2/13/2029	5.00	132	—
Building Construction	Building Construction	2/14/2029	3/4/2031	5.00	535	—
Paving	Paving	4/1/2030	6/26/2031	5.00	324	—
Architectural Coating	Architectural Coating	3/29/2030	8/31/2031	5.00	371	—

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	6.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	15.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	15.0	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	10.0	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	10.0	6.00	37.0	0.48

5.2.2. Mitigated

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	6.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	8.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37

Building Construction	Cranes	Diesel	Tier 4 Final	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	15.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	15.0	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	10.0	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	10.0	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	35.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	8.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	940	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	193	10.2	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	7.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	188	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	35.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	8.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	940	18.5	LDA,LDT1,LDT2

Building Construction	Vendor	193	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	7.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	188	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	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	3,987,650	1,329,217	361,187	120,396	359,919

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

Site Preparation	0.00	0.00	225	0.00	—
Grading	0.00	0.00	792	0.00	—
Paving	0.00	0.00	0.00	0.00	144

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Elementary School	0.00	0%
Other Asphalt Surfaces	23.3	100%
Other Non-Asphalt Surfaces	95.3	0%
Parking Lot	19.1	100%
Arena	0.00	0%
City Park	0.00	0%
Apartments Low Rise	—	0%
Apartments Mid Rise	—	0%
Single Family Housing	6.03	0%

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	275	0.03	< 0.005
2029	0.00	249	0.03	< 0.005
2030	0.00	247	0.03	< 0.005
2031	0.00	247	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Elementary School	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
Other Non-Asphalt Surfaces	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
Arena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	10,168	10,168	10,168	3,711,320	127,177	127,177	127,177	46,419,606

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Elementary School	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
Other Non-Asphalt Surfaces	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
Arena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	10,168	10,168	10,168	3,711,320	127,177	127,177	127,177	46,419,606

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	401
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	47
Conventional Wood Stoves	0
Catalytic Wood Stoves	24
Non-Catalytic Wood Stoves	24
Pellet Wood Stoves	0
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	356
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	42

Conventional Wood Stoves	0
Catalytic Wood Stoves	21
Non-Catalytic Wood Stoves	21
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	465
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	55
Conventional Wood Stoves	0
Catalytic Wood Stoves	27
Non-Catalytic Wood Stoves	27
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	401
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	47
Conventional Wood Stoves	0
Catalytic Wood Stoves	24
Non-Catalytic Wood Stoves	24
Pellet Wood Stoves	0

Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	356
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	42
Conventional Wood Stoves	0
Catalytic Wood Stoves	21
Non-Catalytic Wood Stoves	21
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	465
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	55
Conventional Wood Stoves	0
Catalytic Wood Stoves	27
Non-Catalytic Wood Stoves	27
Pellet Wood Stoves	0

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)
3987650.25	1,329,217	361,187	120,396	359,919

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Elementary School	431,300	247	0.0330	0.0040	342,327
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Parking Lot	729,210	247	0.0330	0.0040	0.00
Arena	6,615,550	247	0.0330	0.0040	7,075,147
City Park	0.00	247	0.0330	0.0040	0.00
Apartments Low Rise	3,231,685	247	0.0330	0.0040	8,009,945
Apartments Mid Rise	2,371,188	247	0.0330	0.0040	5,402,088
Single Family Housing	5,108,566	247	0.0330	0.0040	19,453,680

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)

Elementary School	155,889	247	0.0330	0.0040	329,786
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Parking Lot	729,210	247	0.0330	0.0040	0.00
Arena	2,847,898	247	0.0330	0.0040	6,979,879
City Park	0.00	247	0.0330	0.0040	0.00
Apartments Low Rise	1,453,181	247	0.0330	0.0040	6,053,283
Apartments Mid Rise	1,071,344	247	0.0330	0.0040	4,100,534
Single Family Housing	3,825,509	247	0.0330	0.0040	15,120,567

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Elementary School	666,666	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
Arena	6,730,783	0.00
City Park	0.00	161,669,517
Apartments Low Rise	19,198,022	0.00
Apartments Mid Rise	17,042,312	229
Single Family Housing	22,248,555	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Elementary School	666,666	0.00

Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
Arena	6,730,783	0.00
City Park	0.00	161,669,517
Apartments Low Rise	19,198,022	0.00
Apartments Mid Rise	17,042,312	229
Single Family Housing	22,248,555	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Elementary School	50.2	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
Arena	0.43	—
City Park	7.65	—
Apartments Low Rise	349	—
Apartments Mid Rise	310	—
Single Family Housing	501	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Elementary School	12.5	—
Other Asphalt Surfaces	0.00	—

Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
Arena	0.11	—
City Park	1.91	—
Apartments Low Rise	87.3	—
Apartments Mid Rise	77.4	—
Single Family Housing	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
Elementary School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Elementary School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Elementary School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Elementary School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Arena	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Arena	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Arena	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Elementary School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Elementary School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Elementary School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Elementary School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Arena	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Arena	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Arena	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.5	annual days of extreme heat
Extreme Precipitation	0.85	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.15	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 $\frac{3}{4}$ 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	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A

Flooding	N/A	N/A	N/A	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	51.0
AQ-PM	9.06
AQ-DPM	1.39
Drinking Water	64.7
Lead Risk Housing	43.7
Pesticides	50.2
Toxic Releases	4.91
Traffic	12.8
Effect Indicators	—
CleanUp Sites	84.8
Groundwater	56.1
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	23.9
Solid Waste	99.2
Sensitive Population	—
Asthma	72.9
Cardio-vascular	94.2
Low Birth Weights	17.2
Socioeconomic Factor Indicators	—
Education	70.7
Housing	15.9
Linguistic	35.3
Poverty	80.1

Unemployment	—

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	15.27011421
Employed	36.37880149
Median HI	20.15911716
Education	—
Bachelor's or higher	26.78044399
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	82.44578468
Active commuting	45.97715899
Social	—
2-parent households	20.59540613
Voting	44.10368279
Neighborhood	—
Alcohol availability	97.0101373
Park access	19.59450789
Retail density	0.872577955
Supermarket access	6.351854228
Tree canopy	0.346464776
Housing	—
Homeownership	79.96920313

Housing habitability	86.07724881
Low-inc homeowner severe housing cost burden	66.38008469
Low-inc renter severe housing cost burden	98.0366996
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	4.067753112
Arthritis	0.0
Asthma ER Admissions	24.0
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	2.5
Cognitively Disabled	18.3
Physically Disabled	14.9
Heart Attack ER Admissions	20.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	99.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0

No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	22.0
Elderly	16.0
English Speaking	46.5
Foreign-born	48.2
Outdoor Workers	5.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	91.8
Traffic Density	7.9
Traffic Access	23.0
Other Indices	—
Hardship	76.6
Other Decision Support	—
2016 Voting	47.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	57.0
Healthy Places Index Score for Project Location (b)	20.0
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
Characteristics: Project Details	Changed Locational Context from NA to Suburban to allow mitigation measures to be implemented in model. Input Start of Construction Based on schedule. No other changes made.
Land Use	Arena, Apartments Low Rise, Apartments Mid Rise, and Single Family Housing: Lot Acreage updated based on Plans. Drainage, Other Open Space shown as Non-Asphalt Surfaces. Roads shown as Other Asphalt Surfaces, Open Space and Landscape shown as City Park.
Construction: Construction Phases	Construction duration updated based on schedule. This shorter construction schedule is more conservative since more emissions will be generated per day. Revised schedule consistent with TIA.
Construction: Off-Road Equipment	Increased construction equipment assumptions based on similar projects.
Construction: Architectural Coatings	SCAQMD Rule 1113 limits VOC in paint to 50 g/l
Operations: Hearths	SCAQMD Rule 445 prohibits the installation of permanent wood-burning devices in new residential developments.
Operations: Architectural Coatings	SCAQMD Rule 1113 limits VOC emissions in paint to 50 g/L.
Operations: Refrigerants	The City Park land use is used to model Open Space and therefore does not include refrigeration.
Operations: Vehicle Data	Total Phase 2 Trips calculated with Single Family Residential. TIA shows Trip Generation = 10,168 and VMT = 127,177 therefore trip length = 12.507573 and annual VMT = 46,419,650

KPC Coachella Phase 3 Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	KPC Coachella Phase 3
Construction Start Date	9/1/2031
Operational Year	2035
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.710083108044955, -116.1113726182267
County	Riverside-Salton Sea
City	Coachella
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5680
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.24

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

Elementary School	141	Student	0.27	11,788	0.00	0.00	—	—
Other Asphalt Surfaces	25.1	Acre	25.1	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	99.5	Acre	99.5	0.00	0.00	—	—	—
Parking Lot	59.0	Acre	59.0	0.00	0.00	—	—	—
City Park	87.4	Acre	87.4	0.00	3,807,144	3,807,144	—	—
Apartments Low Rise	510	Dwelling Unit	25.5	540,600	0.00	—	1,647	—
Single Family Housing	331	Dwelling Unit	107	645,450	0.00	—	1,069	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-9	Use Dust Suppressants
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Construction	C-13	Use Low-VOC Paints for Construction
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Energy	E-12-B	Install Electric Space Heater in Place of Natural Gas Heaters in Residences
Energy	E-13	Install Electric Ranges in Place of Gas Ranges
Waste	S-1/S-2	Implement Waste Reduction Plan

Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	AS-2	Use Low-VOC Paints

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

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.	33.2	31.7	59.2	129	0.17	2.01	39.7	41.7	1.85	20.3	22.1	—	24,981	24,981	0.69	0.51	17.3	25,166
Mit.	9.51	9.09	31.0	132	0.17	0.43	15.7	15.9	0.42	7.97	8.15	—	24,981	24,981	0.69	0.51	17.3	25,166
% Reduced	71%	71%	48%	-2%	—	79%	60%	62%	77%	61%	63%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	32.7	31.4	59.6	114	0.17	2.01	39.7	41.7	1.85	20.3	22.1	—	23,812	23,812	0.71	0.76	0.45	24,056
Mit.	8.98	8.82	31.5	117	0.17	0.43	15.7	15.9	0.42	7.97	8.15	—	23,812	23,812	0.71	0.76	0.45	24,056
% Reduced	73%	72%	47%	-3%	—	79%	60%	62%	77%	61%	63%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.7	20.1	35.6	72.3	0.10	0.85	8.98	9.83	0.78	4.45	4.88	—	15,220	15,220	0.43	0.34	4.85	15,336
Mit.	5.20	5.14	18.4	74.6	0.10	0.28	5.69	5.96	0.27	1.75	1.85	—	15,220	15,220	0.43	0.34	4.85	15,336
% Reduced	75%	74%	48%	-3%	—	67%	37%	39%	65%	61%	62%	—	—	—	—	—	—	—

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.78	3.68	6.49	13.2	0.02	0.16	1.64	1.79	0.14	0.81	0.89	—	2,520	2,520	0.07	0.06	0.80	2,539
Mit.	0.95	0.94	3.35	13.6	0.02	0.05	1.04	1.09	0.05	0.32	0.34	—	2,520	2,520	0.07	0.06	0.80	2,539
% Reduced	75%	74%	48%	-3%	—	67%	37%	39%	65%	61%	62%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2031	6.50	5.46	45.2	49.8	0.09	2.01	39.7	41.7	1.85	20.3	22.1	—	9,899	9,899	0.39	0.11	0.94	9,942
2032	6.59	5.54	40.3	92.8	0.12	1.56	18.9	20.5	1.44	7.43	8.87	—	18,971	18,971	0.53	0.44	16.2	19,131
2033	33.2	31.7	59.2	129	0.17	1.23	8.94	10.2	1.14	2.13	3.27	—	24,981	24,981	0.69	0.51	17.3	25,166
2034	32.7	31.5	58.5	127	0.17	1.16	8.94	10.1	1.07	2.13	3.20	—	24,812	24,812	0.68	0.48	15.2	24,988

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2031	6.49	5.45	45.2	52.5	0.12	2.01	39.7	41.7	1.85	20.3	22.1	—	13,496	13,496	0.53	0.15	0.03	13,553
2032	6.34	5.29	40.7	80.2	0.12	1.56	18.9	20.5	1.44	7.43	8.87	—	18,030	18,030	0.53	0.64	0.42	18,234
2033	32.7	31.4	59.6	114	0.17	1.23	8.94	10.2	1.14	2.13	3.27	—	23,812	23,812	0.71	0.76	0.45	24,056
2034	32.5	31.2	58.9	113	0.17	1.16	8.94	10.1	1.07	2.13	3.20	—	23,659	23,659	0.69	0.48	0.39	23,821
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2031	1.57	1.32	10.8	12.1	0.02	0.48	8.86	9.33	0.44	4.45	4.88	—	2,531	2,531	0.10	0.03	0.10	2,542
2032	4.47	3.74	28.0	49.5	0.09	0.85	8.98	9.83	0.78	3.10	3.88	—	11,581	11,581	0.37	0.30	2.88	11,682
2033	12.5	11.8	35.6	72.3	0.10	0.74	5.69	6.42	0.68	1.36	2.04	—	15,220	15,220	0.43	0.34	4.85	15,336
2034	20.7	20.1	25.9	51.2	0.07	0.50	3.74	4.24	0.46	0.89	1.35	—	10,192	10,192	0.30	0.19	2.71	10,259
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2031	0.29	0.24	1.97	2.21	< 0.005	0.09	1.62	1.70	0.08	0.81	0.89	—	419	419	0.02	< 0.005	0.02	421
2032	0.82	0.68	5.11	9.04	0.02	0.16	1.64	1.79	0.14	0.56	0.71	—	1,917	1,917	0.06	0.05	0.48	1,934
2033	2.29	2.15	6.49	13.2	0.02	0.13	1.04	1.17	0.12	0.25	0.37	—	2,520	2,520	0.07	0.06	0.80	2,539
2034	3.78	3.68	4.74	9.34	0.01	0.09	0.68	0.77	0.08	0.16	0.25	—	1,687	1,687	0.05	0.03	0.45	1,698

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	0.98	0.97	4.81	50.1	0.09	0.18	15.7	15.9	0.18	7.97	8.15	—	9,899	9,899	0.39	0.11	0.94	9,942
2032	3.35	3.00	20.7	95.6	0.12	0.36	7.70	7.94	0.34	2.97	3.22	—	18,971	18,971	0.53	0.44	16.2	19,131
2033	9.51	9.09	31.0	132	0.17	0.43	8.94	9.36	0.42	2.13	2.55	—	24,981	24,981	0.69	0.51	17.3	25,166
2034	9.15	8.99	30.9	130	0.17	0.42	8.94	9.36	0.41	2.13	2.54	—	24,812	24,812	0.68	0.48	15.2	24,988

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2031	1.35	1.33	7.83	70.0	0.12	0.25	15.7	15.9	0.25	7.97	8.15	—	13,496	13,496	0.53	0.15	0.03	13,553
2032	3.10	2.75	21.1	83.0	0.12	0.36	7.70	7.94	0.34	2.97	3.22	—	18,030	18,030	0.53	0.64	0.42	18,234
2033	8.98	8.82	31.5	117	0.17	0.43	8.94	9.36	0.42	2.13	2.55	—	23,812	23,812	0.71	0.76	0.45	24,056
2034	8.90	8.73	31.3	116	0.17	0.42	8.94	9.36	0.41	2.13	2.54	—	23,659	23,659	0.69	0.48	0.39	23,821
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2031	0.25	0.25	1.28	12.8	0.02	0.05	3.51	3.56	0.05	1.75	1.79	—	2,531	2,531	0.10	0.03	0.10	2,542
2032	1.68	1.53	10.6	56.9	0.09	0.22	5.31	5.53	0.21	1.64	1.85	—	11,581	11,581	0.37	0.30	2.88	11,682
2033	4.02	3.91	18.4	74.6	0.10	0.28	5.69	5.96	0.27	1.36	1.63	—	15,220	15,220	0.43	0.34	4.85	15,336
2034	5.20	5.14	14.2	52.1	0.07	0.17	3.74	3.91	0.17	0.89	1.06	—	10,192	10,192	0.30	0.19	2.71	10,259
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2031	0.05	0.05	0.23	2.34	< 0.005	0.01	0.64	0.65	0.01	0.32	0.33	—	419	419	0.02	< 0.005	0.02	421
2032	0.31	0.28	1.94	10.4	0.02	0.04	0.97	1.01	0.04	0.30	0.34	—	1,917	1,917	0.06	0.05	0.48	1,934
2033	0.73	0.71	3.35	13.6	0.02	0.05	1.04	1.09	0.05	0.25	0.30	—	2,520	2,520	0.07	0.06	0.80	2,539
2034	0.95	0.94	2.60	9.50	0.01	0.03	0.68	0.71	0.03	0.16	0.19	—	1,687	1,687	0.05	0.03	0.45	1,698

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.	55.7	52.7	35.7	260	0.69	1.73	55.4	57.1	1.71	14.0	15.8	451	87,590	88,041	48.6	2.69	73.1	90,133
Mit.	51.7	48.8	34.5	260	0.68	1.63	55.4	57.0	1.61	14.0	15.7	162	84,151	84,314	19.4	2.66	73.1	85,665
% Reduced	7%	7%	3%	< 0.5%	1%	6%	—	< 0.5%	6%	—	1%	64%	4%	4%	60%	1%	—	5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	48.8	46.0	36.8	145	0.62	1.71	55.4	57.1	1.69	14.0	15.7	451	80,879	81,329	48.7	2.76	10.2	83,379
Mit.	44.8	42.2	35.6	144	0.62	1.61	55.4	57.0	1.59	14.0	15.6	162	77,440	77,602	19.5	2.73	10.2	78,911
% Reduced	8%	8%	3%	< 0.5%	1%	6%	—	< 0.5%	6%	—	1%	64%	4%	5%	60%	1%	—	5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	50.3	48.1	25.2	185	0.58	0.83	55.1	56.0	0.81	14.0	14.8	451	69,516	69,967	48.4	2.69	36.4	72,014
Mit.	46.4	44.2	24.0	184	0.57	0.73	55.1	55.9	0.71	14.0	14.7	162	66,077	66,240	19.2	2.65	36.4	67,546
% Reduced	8%	8%	5%	< 0.5%	1%	12%	—	< 0.5%	12%	—	1%	64%	5%	5%	60%	1%	—	6%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.18	8.78	4.60	33.7	0.11	0.15	10.1	10.2	0.15	2.55	2.70	74.6	11,509	11,584	8.01	0.44	6.03	11,923
Mit.	8.46	8.07	4.38	33.6	0.10	0.13	10.1	10.2	0.13	2.55	2.68	26.9	10,940	10,967	3.17	0.44	6.03	11,183
% Reduced	8%	8%	5%	< 0.5%	1%	12%	—	< 0.5%	12%	—	1%	64%	5%	5%	60%	1%	—	6%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,000
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes
Mit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes

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	18.4	16.7	18.2	204	0.58	0.33	55.4	55.7	0.31	14.0	14.4	—	59,235	59,235	1.67	2.39	64.6	60,052
Area	36.6	35.7	12.3	53.5	0.08	0.98	—	0.98	0.98	—	0.98	0.00	15,181	15,181	0.29	0.03	—	15,197
Energy	0.61	0.30	5.20	2.23	0.03	0.42	—	0.42	0.42	—	0.42	—	12,719	12,719	1.40	0.11	—	12,787
Water	—	—	—	—	—	—	—	—	—	—	—	66.2	456	522	6.85	0.17	—	743
Waste	—	—	—	—	—	—	—	—	—	—	—	384	0.00	384	38.4	0.00	—	1,345
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.54	8.54
Total	55.7	52.7	35.7	260	0.69	1.73	55.4	57.1	1.71	14.0	15.8	451	87,590	88,041	48.6	2.69	73.1	90,133
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.0	14.3	19.8	137	0.51	0.33	55.4	55.7	0.31	14.0	14.4	—	52,653	52,653	1.72	2.45	1.67	53,428
Area	32.2	31.5	11.9	5.05	0.08	0.96	—	0.96	0.96	—	0.96	0.00	15,052	15,052	0.28	0.03	—	15,067
Energy	0.61	0.30	5.20	2.23	0.03	0.42	—	0.42	0.42	—	0.42	—	12,719	12,719	1.40	0.11	—	12,787
Water	—	—	—	—	—	—	—	—	—	—	—	66.2	456	522	6.85	0.17	—	743
Waste	—	—	—	—	—	—	—	—	—	—	—	384	0.00	384	38.4	0.00	—	1,345

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.54	8.54
Total	48.8	46.0	36.8	145	0.62	1.71	55.4	57.1	1.69	14.0	15.7	451	80,879	81,329	48.7	2.76	10.2	83,379
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.6	14.9	19.0	158	0.54	0.33	55.1	55.5	0.31	14.0	14.3	—	55,247	55,247	1.68	2.40	27.9	56,034
Area	33.1	32.9	1.03	24.2	0.01	0.08	—	0.08	0.07	—	0.07	0.00	1,095	1,095	0.02	< 0.005	—	1,096
Energy	0.61	0.30	5.20	2.23	0.03	0.42	—	0.42	0.42	—	0.42	—	12,719	12,719	1.40	0.11	—	12,787
Water	—	—	—	—	—	—	—	—	—	—	—	66.2	456	522	6.85	0.17	—	743
Waste	—	—	—	—	—	—	—	—	—	—	—	384	0.00	384	38.4	0.00	—	1,345
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.54	8.54
Total	50.3	48.1	25.2	185	0.58	0.83	55.1	56.0	0.81	14.0	14.8	451	69,516	69,967	48.4	2.69	36.4	72,014
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.03	2.72	3.46	28.9	0.10	0.06	10.1	10.1	0.06	2.55	2.61	—	9,147	9,147	0.28	0.40	4.62	9,277
Area	6.04	6.00	0.19	4.42	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	181	181	< 0.005	< 0.005	—	181
Energy	0.11	0.06	0.95	0.41	0.01	0.08	—	0.08	0.08	—	0.08	—	2,106	2,106	0.23	0.02	—	2,117
Water	—	—	—	—	—	—	—	—	—	—	—	11.0	75.4	86.4	1.13	0.03	—	123
Waste	—	—	—	—	—	—	—	—	—	—	—	63.6	0.00	63.6	6.36	0.00	—	223
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.41	1.41
Total	9.18	8.78	4.60	33.7	0.11	0.15	10.1	10.2	0.15	2.55	2.70	74.6	11,509	11,584	8.01	0.44	6.03	11,923

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	18.4	16.7	18.2	204	0.58	0.33	55.4	55.7	0.31	14.0	14.4	—	59,235	59,235	1.67	2.39	64.6	60,052
Area	32.8	31.9	12.3	53.5	0.08	0.98	—	0.98	0.98	—	0.98	0.00	15,181	15,181	0.29	0.03	—	15,197

Energy	0.47	0.23	4.01	1.72	0.03	0.32	—	0.32	0.32	—	0.32	—	9,280	9,280	1.01	0.08	—	9,328
Water	—	—	—	—	—	—	—	—	—	—	—	66.2	456	522	6.85	0.17	—	743
Waste	—	—	—	—	—	—	—	—	—	—	—	96.1	0.00	96.1	9.61	0.00	—	336
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.54	8.54
Total	51.7	48.8	34.5	260	0.68	1.63	55.4	57.0	1.61	14.0	15.7	162	84,151	84,314	19.4	2.66	73.1	85,665
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.0	14.3	19.8	137	0.51	0.33	55.4	55.7	0.31	14.0	14.4	—	52,653	52,653	1.72	2.45	1.67	53,428
Area	28.4	27.7	11.9	5.05	0.08	0.96	—	0.96	0.96	—	0.96	0.00	15,052	15,052	0.28	0.03	—	15,067
Energy	0.47	0.23	4.01	1.72	0.03	0.32	—	0.32	0.32	—	0.32	—	9,280	9,280	1.01	0.08	—	9,328
Water	—	—	—	—	—	—	—	—	—	—	—	66.2	456	522	6.85	0.17	—	743
Waste	—	—	—	—	—	—	—	—	—	—	—	96.1	0.00	96.1	9.61	0.00	—	336
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.54	8.54
Total	44.8	42.2	35.6	144	0.62	1.61	55.4	57.0	1.59	14.0	15.6	162	77,440	77,602	19.5	2.73	10.2	78,911
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.6	14.9	19.0	158	0.54	0.33	55.1	55.5	0.31	14.0	14.3	—	55,247	55,247	1.68	2.40	27.9	56,034
Area	29.3	29.1	1.03	24.2	0.01	0.08	—	0.08	0.07	—	0.07	0.00	1,095	1,095	0.02	< 0.005	—	1,096
Energy	0.47	0.23	4.01	1.72	0.03	0.32	—	0.32	0.32	—	0.32	—	9,280	9,280	1.01	0.08	—	9,328
Water	—	—	—	—	—	—	—	—	—	—	—	66.2	456	522	6.85	0.17	—	743
Waste	—	—	—	—	—	—	—	—	—	—	—	96.1	0.00	96.1	9.61	0.00	—	336
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.54	8.54
Total	46.4	44.2	24.0	184	0.57	0.73	55.1	55.9	0.71	14.0	14.7	162	66,077	66,240	19.2	2.65	36.4	67,546
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.03	2.72	3.46	28.9	0.10	0.06	10.1	10.1	0.06	2.55	2.61	—	9,147	9,147	0.28	0.40	4.62	9,277
Area	5.34	5.31	0.19	4.42	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00						
Energy	0.09	0.04	0.73	0.31	< 0.005	0.06	—	0.06	0.06	—	0.06	—	1,536	1,536	0.17	0.01	—	1,544
Water	—	—	—	—	—	—	—	—	—	—	—	11.0	75.4	86.4	1.13	0.03	—	123

Waste	—	—	—	—	—	—	—	—	—	—	—	15.9	0.00	15.9	1.59	0.00	—	55.7
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.41	1.41
Total	8.46	8.07	4.38	33.6	0.10	0.13	10.1	10.2	0.13	2.55	2.68	26.9	10,940	10,967	3.17	0.44	6.03	11,183

3. Construction Emissions Details

3.1. Site Preparation (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	6.40	5.38	45.0	48.1	0.09	2.01	—	2.01	1.85	—	1.85	—	9,431	9,431	0.38	0.08	—	9,463
Dust From Material Movement	—	—	—	—	—	—	39.3	39.3	—	20.2	20.2	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	6.40	5.38	45.0	48.1	0.09	2.01	—	2.01	1.85	—	1.85	—	9,431	9,431	0.38	0.08	—	9,463
Dust From Material Movement	—	—	—	—	—	—	39.3	39.3	—	20.2	20.2	—	—	—	—	—	—	—
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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.32	1.11	9.25	9.89	0.02	0.41	—	0.41	0.38	—	0.38	—	1,938	1,938	0.08	0.02	—	1,944
Dust From Material Movement	—	—	—	—	—	—	8.08	8.08	—	4.15	4.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.20	1.69	1.80	< 0.005	0.08	—	0.08	0.07	—	0.07	—	321	321	0.01	< 0.005	—	322
Dust From Material Movement	—	—	—	—	—	—	1.47	1.47	—	0.76	0.76	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	1.57	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	332	332	< 0.005	0.01	0.68	336
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	136	136	< 0.005	0.02	0.27	142
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.08	0.07	0.07	0.89	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	283	283	< 0.005	0.01	0.02	287
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	136	136	< 0.005	0.02	0.01	142
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.23	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	62.1	62.1	< 0.005	< 0.005	0.06	62.9
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	0.02	29.2
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.64	4.64	< 0.005	< 0.005	< 0.005	4.83
Hauling	0.00	0.00	0.00	0.00	0.00	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. Site Preparation (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	0.89	0.89	4.61	48.5	0.09	0.18	—	0.18	0.18	—	0.18	—	9,431	9,431	0.38	0.08	—	9,463
Dust From Material Movement	—	—	—	—	—	—	15.3	15.3	—	7.88	7.88	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.89	0.89	4.61	48.5	0.09	0.18	—	0.18	0.18	—	0.18	—	9,431	9,431	0.38	0.08	—	9,463

Dust From Material Movement	—	—	—	—	—	—	15.3	15.3	—	7.88	7.88	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	0.95	9.97	0.02	0.04	—	0.04	0.04	—	0.04	—	1,938	1,938	0.08	0.02	—	1,944
Dust From Material Movement	—	—	—	—	—	—	3.15	3.15	—	1.62	1.62	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.17	1.82	< 0.005	0.01	—	0.01	0.01	—	0.01	—	321	321	0.01	< 0.005	—	322
Dust From Material Movement	—	—	—	—	—	—	0.57	0.57	—	0.30	0.30	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	1.57	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	332	332	< 0.005	0.01	0.68	336
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	136	136	< 0.005	0.02	0.27	142
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.08	0.07	0.07	0.89	0.00	0.00	0.33	0.33	0.00	0.08	0.08	—	283	283	< 0.005	0.01	0.02	287
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	136	136	< 0.005	0.02	0.01	142
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.23	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	62.1	62.1	< 0.005	< 0.005	0.06	62.9
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	0.02	29.2
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	0.01	10.4
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.64	4.64	< 0.005	< 0.005	< 0.005	4.83
Hauling	0.00	0.00	0.00	0.00	0.00	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. 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	6.15	5.17	39.7	51.2	0.12	1.69	—	1.69	1.55	—	1.55	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.48	1.90	< 0.005	0.06	—	0.06	0.06	—	0.06	—	480	480	0.02	< 0.005	—	482
Dust From Material Movement	—	—	—	—	—	—	0.68	0.68	—	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	0.04	0.04	0.27	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	79.5	79.5	< 0.005	< 0.005	—	79.7
Dust From Material Movement	—	—	—	—	—	—	0.12	0.12	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.10	1.24	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	396	396	< 0.005	0.02	0.02	402
Vendor	0.01	0.01	0.20	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	191	191	< 0.005	0.03	0.01	199
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	15.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.09	7.09	< 0.005	< 0.005	0.01	7.39

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	—	2.61	2.61	< 0.005	< 0.005	< 0.005	2.64
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.17	1.17	< 0.005	< 0.005	< 0.005	1.22
Hauling	0.00	0.00	0.00	0.00	0.00	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. 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	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.28	2.56	< 0.005	0.01	—	0.01	0.01	—	0.01	—	480	480	0.02	< 0.005	—	482
Dust From Material Movement	—	—	—	—	—	—	0.27	0.27	—	0.11	0.11	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	79.5	79.5	< 0.005	< 0.005	—	79.7
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.09	0.10	1.24	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	396	396	< 0.005	0.02	0.02	402
Vendor	0.01	0.01	0.20	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	191	191	< 0.005	0.03	0.01	199
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.7	15.7	< 0.005	< 0.005	0.02	15.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.09	7.09	< 0.005	< 0.005	0.01	7.39
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	—	2.61	2.61	< 0.005	< 0.005	< 0.005	2.64
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.17	1.17	< 0.005	< 0.005	< 0.005	1.22
Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (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	5.93	4.98	37.2	49.5	0.12	1.56	—	1.56	1.43	—	1.43	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	5.93	4.98	37.2	49.5	0.12	1.56	—	1.56	1.43	—	1.43	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.94	1.63	12.2	16.2	0.04	0.51	—	0.51	0.47	—	0.47	—	4,219	4,219	0.17	0.03	—	4,233
Dust From Material Movement	—	—	—	—	—	—	6.02	6.02	—	2.39	2.39	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.30	2.22	2.96	0.01	0.09	—	0.09	0.09	—	0.09	—	698	698	0.03	0.01	—	701
Dust From Material Movement	—	—	—	—	—	—	1.10	1.10	—	0.44	0.44	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.12	0.10	0.09	2.07	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	458	458	< 0.005	< 0.005	0.84	460
Vendor	0.01	0.01	0.18	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	185	185	< 0.005	0.02	0.34	193
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.09	0.10	1.17	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	391	391	< 0.005	0.02	0.02	396
Vendor	0.01	0.01	0.19	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	185	185	< 0.005	0.02	0.01	193
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.03	0.03	0.48	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	136	136	< 0.005	0.01	0.12	138
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.5	60.5	< 0.005	0.01	0.05	63.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.6	22.6	< 0.005	< 0.005	0.02	22.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.0	10.0	< 0.005	< 0.005	0.01	10.4

Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (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	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.40	2.46	22.5	0.04	0.08	—	0.08	0.08	—	0.08	—	4,219	4,219	0.17	0.03	—	4,233

Dust From Material Movement	—	—	—	—	—	—	2.35	2.35	—	0.93	0.93	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.45	4.10	0.01	0.01	—	0.01	0.01	—	0.01	—	698	698	0.03	0.01	—	701
Dust From Material Movement	—	—	—	—	—	—	0.43	0.43	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.12	0.10	0.09	2.07	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	458	458	< 0.005	< 0.005	0.84	460
Vendor	0.01	0.01	0.18	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	185	185	< 0.005	0.02	0.34	193
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.09	0.10	1.17	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	391	391	< 0.005	0.02	0.02	396
Vendor	0.01	0.01	0.19	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	185	185	< 0.005	0.02	0.01	193
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.03	0.03	0.48	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	136	136	< 0.005	0.01	0.12	138
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	60.5	60.5	< 0.005	0.01	0.05	63.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	22.6	22.6	< 0.005	< 0.005	0.02	22.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.0	10.0	< 0.005	< 0.005	0.01	10.4
Hauling	0.00	0.00	0.00	0.00	0.00	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. 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	4.79	4.00	36.7	62.7	0.10	0.83	—	0.83	0.76	—	0.76	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.79	4.00	36.7	62.7	0.10	0.83	—	0.83	0.76	—	0.76	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.86	1.56	14.3	24.4	0.04	0.32	—	0.32	0.30	—	0.30	—	3,937	3,937	0.16	0.03	—	3,951
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.34	0.28	2.61	4.45	0.01	0.06	—	0.06	0.05	—	0.05	—	652	652	0.03	0.01	—	654

Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.68	1.46	1.25	29.1	0.00	0.00	6.42	6.42	0.00	1.51	1.51	—	6,433	6,433	0.05	0.03	11.8	6,456
Vendor	0.12	0.08	2.35	1.01	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,427	2,427	0.03	0.33	4.40	2,530
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.44	1.22	1.45	16.4	0.00	0.00	6.42	6.42	0.00	1.51	1.51	—	5,489	5,489	0.06	0.23	0.31	5,561
Vendor	0.11	0.07	2.52	1.05	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,430	2,430	0.03	0.33	0.11	2,528
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.59	0.50	0.48	8.03	0.00	0.00	2.49	2.49	0.00	0.58	0.58	—	2,283	2,283	0.02	0.09	1.98	2,312
Vendor	0.04	0.03	0.96	0.40	0.01	0.02	0.30	0.32	0.02	0.08	0.10	—	946	946	0.01	0.13	0.74	985
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.09	0.09	1.47	0.00	0.00	0.45	0.45	0.00	0.11	0.11	—	378	378	< 0.005	0.02	0.33	383
Vendor	0.01	0.01	0.17	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	157	157	< 0.005	0.02	0.12	163
Hauling	0.00	0.00	0.00	0.00	0.00	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. 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	1.55	1.46	17.1	65.5	0.10	0.31	—	0.31	0.30	—	0.30	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.55	1.46	17.1	65.5	0.10	0.31	—	0.31	0.30	—	0.30	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.60	0.57	6.65	25.5	0.04	0.12	—	0.12	0.12	—	0.12	—	3,937	3,937	0.16	0.03	—	3,951
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.11	0.10	1.21	4.66	0.01	0.02	—	0.02	0.02	—	0.02	—	652	652	0.03	0.01	—	654
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.68	1.46	1.25	29.1	0.00	0.00	6.42	6.42	0.00	1.51	1.51	—	6,433	6,433	0.05	0.03	11.8	6,456
Vendor	0.12	0.08	2.35	1.01	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,427	2,427	0.03	0.33	4.40	2,530
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.44	1.22	1.45	16.4	0.00	0.00	6.42	6.42	0.00	1.51	1.51	—	5,489	5,489	0.06	0.23	0.31	5,561
Vendor	0.11	0.07	2.52	1.05	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,430	2,430	0.03	0.33	0.11	2,528
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.59	0.50	0.48	8.03	0.00	0.00	2.49	2.49	0.00	0.58	0.58	—	2,283	2,283	0.02	0.09	1.98	2,312
Vendor	0.04	0.03	0.96	0.40	0.01	0.02	0.30	0.32	0.02	0.08	0.10	—	946	946	0.01	0.13	0.74	985
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.09	0.09	1.47	0.00	0.00	0.45	0.45	0.00	0.11	0.11	—	378	378	< 0.005	0.02	0.33	383
Vendor	0.01	0.01	0.17	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	157	157	< 0.005	0.02	0.12	163
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction (2033) - 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	4.69	3.92	36.0	62.6	0.10	0.75	—	0.75	0.69	—	0.69	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.69	3.92	36.0	62.6	0.10	0.75	—	0.75	0.69	—	0.69	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.35	2.80	25.7	44.7	0.07	0.54	—	0.54	0.49	—	0.49	—	7,222	7,222	0.29	0.06	—	7,246
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.61	0.51	4.69	8.16	0.01	0.10	—	0.10	0.09	—	0.09	—	1,196	1,196	0.05	0.01	—	1,200
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.60	1.38	1.04	27.4	0.00	0.00	6.42	6.42	0.00	1.51	1.51	—	6,345	6,345	0.05	0.03	10.4	6,367
Vendor	0.12	0.08	2.28	0.99	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,359	2,359	0.03	0.33	3.93	2,460
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.20	1.18	1.25	15.5	0.00	0.00	6.42	6.42	0.00	1.51	1.51	—	5,416	5,416	0.06	0.23	0.27	5,487
Vendor	0.11	0.07	2.44	1.03	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,361	2,361	0.03	0.33	0.10	2,460
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.89	0.87	0.88	13.9	0.00	0.00	4.56	4.56	0.00	1.07	1.07	—	4,130	4,130	0.04	0.02	3.21	4,141
Vendor	0.08	0.06	1.70	0.72	0.01	0.03	0.56	0.59	0.03	0.15	0.18	—	1,686	1,686	0.02	0.23	1.21	1,757

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.16	0.16	2.54	0.00	0.00	0.83	0.83	0.00	0.20	0.20	—	684	684	0.01	< 0.005	0.53	686
Vendor	0.01	0.01	0.31	0.13	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	279	279	< 0.005	0.04	0.20	291
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2033) - 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	1.54	1.45	17.0	65.5	0.10	0.30	—	0.30	0.29	—	0.29	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.54	1.45	17.0	65.5	0.10	0.30	—	0.30	0.29	—	0.29	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.10	1.03	12.1	46.8	0.07	0.22	—	0.22	0.21	—	0.21	—	7,222	7,222	0.29	0.06	—	7,246
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.19	2.21	8.54	0.01	0.04	—	0.04	0.04	—	0.04	—	1,196	1,196	0.05	0.01	—	1,200
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.60	1.38	1.04	27.4	0.00	0.00	6.42	6.42	0.00	1.51	1.51	—	6,345	6,345	0.05	0.03	10.4	6,367
Vendor	0.12	0.08	2.28	0.99	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,359	2,359	0.03	0.33	3.93	2,460
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.20	1.18	1.25	15.5	0.00	0.00	6.42	6.42	0.00	1.51	1.51	—	5,416	5,416	0.06	0.23	0.27	5,487
Vendor	0.11	0.07	2.44	1.03	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,361	2,361	0.03	0.33	0.10	2,460
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.89	0.87	0.88	13.9	0.00	0.00	4.56	4.56	0.00	1.07	1.07	—	4,130	4,130	0.04	0.02	3.21	4,141
Vendor	0.08	0.06	1.70	0.72	0.01	0.03	0.56	0.59	0.03	0.15	0.18	—	1,686	1,686	0.02	0.23	1.21	1,757
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.16	0.16	2.54	0.00	0.00	0.83	0.83	0.00	0.20	0.20	—	684	684	0.01	< 0.005	0.53	686
Vendor	0.01	0.01	0.31	0.13	< 0.005	0.01	0.10	0.11	0.01	0.03	0.03	—	279	279	< 0.005	0.04	0.20	291
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2034) - 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	4.62	3.86	35.5	62.6	0.10	0.70	—	0.70	0.65	—	0.65	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.62	3.86	35.5	62.6	0.10	0.70	—	0.70	0.65	—	0.65	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.67	1.40	12.8	22.7	0.04	0.25	—	0.25	0.23	—	0.23	—	3,660	3,660	0.15	0.03	—	3,673
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.31	0.25	2.34	4.13	0.01	0.05	—	0.05	0.04	—	0.04	—	606	606	0.02	< 0.005	—	608
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.33	1.31	1.04	25.8	0.00	0.00	6.42	6.42	0.00	1.51	1.51	—	6,267	6,267	0.04	0.03	9.17	6,287
Vendor	0.12	0.08	2.23	0.96	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,292	2,292	0.03	0.31	3.46	2,388
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.14	1.11	1.24	14.7	0.00	0.00	6.42	6.42	0.00	1.51	1.51	—	5,350	5,350	0.05	0.03	0.24	5,361
Vendor	0.11	0.07	2.40	1.01	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,295	2,295	0.03	0.31	0.09	2,387
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.43	0.42	0.37	6.64	0.00	0.00	2.31	2.31	0.00	0.54	0.54	—	2,068	2,068	0.02	0.01	1.43	2,073
Vendor	0.04	0.03	0.85	0.36	0.01	0.01	0.28	0.30	0.01	0.08	0.09	—	830	830	0.01	0.11	0.54	864
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.07	1.21	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	342	342	< 0.005	< 0.005	0.24	343
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	137	137	< 0.005	0.02	0.09	143
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2034) - 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	1.53	1.44	16.9	65.5	0.10	0.30	—	0.30	0.29	—	0.29	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.53	1.44	16.9	65.5	0.10	0.30	—	0.30	0.29	—	0.29	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.56	0.52	6.11	23.7	0.04	0.11	—	0.11	0.10	—	0.10	—	3,660	3,660	0.15	0.03	—	3,673
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.10	0.10	1.11	4.33	0.01	0.02	—	0.02	0.02	—	0.02	—	606	606	0.02	< 0.005	—	608
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.33	1.31	1.04	25.8	0.00	0.00	6.42	6.42	0.00	1.51	1.51	—	6,267	6,267	0.04	0.03	9.17	6,287
Vendor	0.12	0.08	2.23	0.96	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,292	2,292	0.03	0.31	3.46	2,388
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.14	1.11	1.24	14.7	0.00	0.00	6.42	6.42	0.00	1.51	1.51	—	5,350	5,350	0.05	0.03	0.24	5,361
Vendor	0.11	0.07	2.40	1.01	0.02	0.04	0.79	0.83	0.04	0.22	0.26	—	2,295	2,295	0.03	0.31	0.09	2,387
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.43	0.42	0.37	6.64	0.00	0.00	2.31	2.31	0.00	0.54	0.54	—	2,068	2,068	0.02	0.01	1.43	2,073
Vendor	0.04	0.03	0.85	0.36	0.01	0.01	0.28	0.30	0.01	0.08	0.09	—	830	830	0.01	0.11	0.54	864

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.07	1.21	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	342	342	< 0.005	< 0.005	0.24	343
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	137	137	< 0.005	0.02	0.09	143
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2033) - 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	1.40	1.17	11.8	19.7	0.03	0.37	—	0.37	0.34	—	0.34	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.64	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.40	1.17	11.8	19.7	0.03	0.37	—	0.37	0.34	—	0.34	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.64	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.57	0.48	4.81	8.01	0.01	0.15	—	0.15	0.14	—	0.14	—	1,230	1,230	0.05	0.01	—	1,234
Paving	0.26	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.10	0.09	0.88	1.46	< 0.005	0.03	—	0.03	0.02	—	0.02	—	204	204	0.01	< 0.005	—	204
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	0.10	0.08	0.06	1.67	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	387	387	< 0.005	< 0.005	0.64	389
Vendor	0.01	0.01	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	154	154	< 0.005	0.02	0.26	161
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.07	0.07	0.08	0.94	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	331	331	< 0.005	0.01	0.02	335
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	154	154	< 0.005	0.02	0.01	161
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.03	0.48	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	144	144	< 0.005	< 0.005	0.11	144
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	62.8	62.8	< 0.005	0.01	0.04	65.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.8	23.8	< 0.005	< 0.005	0.02	23.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.01	10.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2033) - 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.64	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.64	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.13	1.57	8.63	0.01	0.02	—	0.02	0.02	—	0.02	—	1,230	1,230	0.05	0.01	—	1,234
Paving	0.26	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.29	1.57	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	204	204	0.01	< 0.005	—	204
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	0.10	0.08	0.06	1.67	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	387	387	< 0.005	< 0.005	0.64	389
Vendor	0.01	0.01	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	154	154	< 0.005	0.02	0.26	161
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.07	0.07	0.08	0.94	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	331	331	< 0.005	0.01	0.02	335
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	154	154	< 0.005	0.02	0.01	161
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.03	0.48	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	144	144	< 0.005	< 0.005	0.11	144
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	62.8	62.8	< 0.005	0.01	0.04	65.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	23.8	23.8	< 0.005	< 0.005	0.02	23.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	0.01	10.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Paving (2034) - 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	1.37	1.15	11.7	19.6	0.03	0.35	—	0.35	0.33	—	0.33	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.64	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.37	1.15	11.7	19.6	0.03	0.35	—	0.35	0.33	—	0.33	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.64	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.73	0.61	6.23	10.5	0.01	0.19	—	0.19	0.17	—	0.17	—	1,608	1,608	0.07	0.01	—	1,614
Paving	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.14	1.91	< 0.005	0.03	—	0.03	0.03	—	0.03	—	266	266	0.01	< 0.005	—	267
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	0.08	0.08	0.06	1.58	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	383	383	< 0.005	< 0.005	0.56	384
Vendor	0.01	0.01	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	150	150	< 0.005	0.02	0.23	156
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.07	0.07	0.08	0.90	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	327	327	< 0.005	< 0.005	0.01	327
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	150	150	< 0.005	0.02	0.01	156
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.04	0.03	0.60	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	186	186	< 0.005	< 0.005	0.13	186
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	79.8	79.8	< 0.005	0.01	0.05	83.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.04	0.04	0.00	0.01	0.01	—	30.7	30.7	< 0.005	< 0.005	0.02	30.8
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.01	13.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Paving (2034) - 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.64	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.64	0.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.17	0.17	2.06	11.3	0.01	0.03	—	0.03	0.03	—	0.03	—	1,608	1,608	0.07	0.01	—	1,614
Paving	0.34	0.34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.38	2.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	266	266	0.01	< 0.005	—	267
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	0.08	0.08	0.06	1.58	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	383	383	< 0.005	< 0.005	0.56	384
Vendor	0.01	0.01	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	150	150	< 0.005	0.02	0.23	156
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.07	0.07	0.08	0.90	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	327	327	< 0.005	< 0.005	0.01	327
Vendor	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	150	150	< 0.005	0.02	0.01	156
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.04	0.03	0.60	0.00	0.00	0.21	0.21	0.00	0.05	0.05	—	186	186	< 0.005	< 0.005	0.13	186
Vendor	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	79.8	79.8	< 0.005	0.01	0.05	83.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.04	0.04	0.00	0.01	0.01	—	30.7	30.7	< 0.005	< 0.005	0.02	30.8
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.01	13.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Architectural Coating (2033) - 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	1.11	0.91	7.64	11.0	0.02	0.07	—	0.07	0.06	—	0.06	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	23.2	23.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.11	0.91	7.64	11.0	0.02	0.07	—	0.07	0.06	—	0.06	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	23.2	23.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.27	2.29	3.29	0.01	0.02	—	0.02	0.02	—	0.02	—	400	400	0.02	< 0.005	—	401
Architectural Coatings	6.95	6.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.42	0.60	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.2	66.2	< 0.005	< 0.005	—	66.4
Architectural Coatings	1.27	1.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.28	0.21	5.47	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,269	1,269	0.01	0.01	2.09	1,273
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	0.24	0.24	0.25	3.09	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,083	1,083	0.01	0.05	0.05	1,097
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	0.07	0.07	0.07	1.17	0.00	0.00	0.38	0.38	0.00	0.09	0.09	—	346	346	< 0.005	< 0.005	0.27	347
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	0.21	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.3	57.3	< 0.005	< 0.005	0.04	57.5
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

3.18. Architectural Coating (2033) - 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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	4.64	4.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	4.64	4.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.06	0.06	1.93	2.88	0.01	0.01	—	0.01	0.01	—	0.01	—	400	400	0.02	< 0.005	—	401
Architectural Coatings	1.39	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.35	0.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.2	66.2	< 0.005	< 0.005	—	66.4
Architectural Coatings	0.25	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.32	0.28	0.21	5.47	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,269	1,269	0.01	0.01	2.09	1,273
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	0.24	0.24	0.25	3.09	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,083	1,083	0.01	0.05	0.05	1,097
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	0.07	0.07	0.07	1.17	0.00	0.00	0.38	0.38	0.00	0.09	0.09	—	346	346	< 0.005	< 0.005	0.27	347
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	0.21	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	57.3	57.3	< 0.005	< 0.005	0.04	57.5
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

3.19. Architectural Coating (2034) - 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	1.10	0.91	7.60	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	23.2	23.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.10	0.91	7.60	11.0	0.02	0.06	—	0.06	0.06	—	0.06	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	23.2	23.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.64	5.40	7.81	0.01	0.04	—	0.04	0.04	—	0.04	—	949	949	0.04	0.01	—	952
Architectural Coatings	16.5	16.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.98	1.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	157	157	0.01	< 0.005	—	158
Architectural Coatings	3.01	3.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.26	0.21	5.17	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,253	1,253	0.01	0.01	1.83	1,257
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	0.22	0.25	2.94	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,070	1,070	0.01	0.01	0.05	1,072
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	0.17	0.17	0.14	2.61	0.00	0.00	0.91	0.91	0.00	0.21	0.21	—	812	812	0.01	< 0.005	0.56	814
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	0.03	0.03	0.03	0.48	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	134	134	< 0.005	< 0.005	0.09	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Architectural Coating (2034) - 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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	4.64	4.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	4.64	4.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.15	0.15	4.59	6.84	0.01	0.02	—	0.02	0.02	—	0.02	—	949	949	0.04	0.01	—	952
Architectural Coatings	3.30	3.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.84	1.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	157	157	0.01	< 0.005	—	158
Architectural Coatings	0.60	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.27	0.26	0.21	5.17	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,253	1,253	0.01	0.01	1.83	1,257
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	0.22	0.25	2.94	0.00	0.00	1.28	1.28	0.00	0.30	0.30	—	1,070	1,070	0.01	0.01	0.05	1,072
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	0.17	0.17	0.14	2.61	0.00	0.00	0.91	0.91	0.00	0.21	0.21	—	812	812	0.01	< 0.005	0.56	814
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	0.03	0.03	0.03	0.48	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	134	134	< 0.005	< 0.005	0.09	135
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	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

Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	18.4	16.7	18.2	204	0.58	0.33	55.4	55.7	0.31	14.0	14.4	—	59,235	59,235	1.67	2.39	64.6	60,052
Total	18.4	16.7	18.2	204	0.58	0.33	55.4	55.7	0.31	14.0	14.4	—	59,235	59,235	1.67	2.39	64.6	60,052
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	16.0	14.3	19.8	137	0.51	0.33	55.4	55.7	0.31	14.0	14.4	—	52,653	52,653	1.72	2.45	1.67	53,428
Total	16.0	14.3	19.8	137	0.51	0.33	55.4	55.7	0.31	14.0	14.4	—	52,653	52,653	1.72	2.45	1.67	53,428

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	3.03	2.72	3.46	28.9	0.10	0.06	10.1	10.1	0.06	2.55	2.61	—	9,147	9,147	0.28	0.40	4.62	9,277
Total	3.03	2.72	3.46	28.9	0.10	0.06	10.1	10.1	0.06	2.55	2.61	—	9,147	9,147	0.28	0.40	4.62	9,277

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	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

Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	18.4	16.7	18.2	204	0.58	0.33	55.4	55.7	0.31	14.0	14.4	—	59,235	59,235	1.67	2.39	64.6	60,052
Total	18.4	16.7	18.2	204	0.58	0.33	55.4	55.7	0.31	14.0	14.4	—	59,235	59,235	1.67	2.39	64.6	60,052
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	16.0	14.3	19.8	137	0.51	0.33	55.4	55.7	0.31	14.0	14.4	—	52,653	52,653	1.72	2.45	1.67	53,428
Total	16.0	14.3	19.8	137	0.51	0.33	55.4	55.7	0.31	14.0	14.4	—	52,653	52,653	1.72	2.45	1.67	53,428

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	3.03	2.72	3.46	28.9	0.10	0.06	10.1	10.1	0.06	2.55	2.61	—	9,147	9,147	0.28	0.40	4.62	9,277
Total	3.03	2.72	3.46	28.9	0.10	0.06	10.1	10.1	0.06	2.55	2.61	—	9,147	9,147	0.28	0.40	4.62	9,277

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	149	149	0.02	< 0.005	—	151

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,520	1,520	0.20	0.02	—	1,533
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,358	2,358	0.32	0.04	—	2,378
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,088	2,088	0.28	0.03	—	2,105
Total	—	—	—	—	—	—	—	—	—	—	—	—	6,116	6,116	0.82	0.10	—	6,166
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	149	149	0.02	< 0.005	—	151
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,520	1,520	0.20	0.02	—	1,533
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,358	2,358	0.32	0.04	—	2,378

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,088	2,088	0.28	0.03	—	2,105
Total	—	—	—	—	—	—	—	—	—	—	—	—	6,116	6,116	0.82	0.10	—	6,166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	24.7	24.7	< 0.005	< 0.005	—	24.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	252	252	0.03	< 0.005	—	254
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	390	390	0.05	0.01	—	394
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	346	346	0.05	0.01	—	348
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,013	1,013	0.14	0.02	—	1,021

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	54.0	54.0	0.01	< 0.005	—	54.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,520	1,520	0.20	0.02	—	1,533
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,060	1,060	0.14	0.02	—	1,069
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	1,564	1,564	0.21	0.03	—	1,577
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,199	4,199	0.56	0.07	—	4,233
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	54.0	54.0	0.01	< 0.005	—	54.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,520	1,520	0.20	0.02	—	1,533
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	1,060	1,060	0.14	0.02	—	1,069
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	1,564	1,564	0.21	0.03	—	1,577
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,199	4,199	0.56	0.07	—	4,233
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	8.94	8.94	< 0.005	< 0.005	—	9.01
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	252	252	0.03	< 0.005	—	254
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	176	176	0.02	< 0.005	—	177
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	259	259	0.03	< 0.005	—	261
Total	—	—	—	—	—	—	—	—	—	—	—	—	695	695	0.09	0.01	—	701

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Element School	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	56.3	56.3	< 0.005	< 0.005	—	56.4
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.26	0.13	2.19	0.93	0.01	0.18	—	0.18	0.18	—	0.18	—	2,774	2,774	0.25	0.01	—	2,781
Single Family Housing	0.35	0.17	2.97	1.26	0.02	0.24	—	0.24	0.24	—	0.24	—	3,773	3,773	0.33	0.01	—	3,783
Total	0.61	0.30	5.20	2.23	0.03	0.42	—	0.42	0.42	—	0.42	—	6,603	6,603	0.58	0.01	—	6,621
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	56.3	56.3	< 0.005	< 0.005	—	56.4
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Low Rise	0.26	0.13	2.19	0.93	0.01	0.18	—	0.18	0.18	—	0.18	—	2,774	2,774	0.25	0.01	—	2,781
Single Family Housing	0.35	0.17	2.97	1.26	0.02	0.24	—	0.24	0.24	—	0.24	—	3,773	3,773	0.33	0.01	—	3,783
Total	0.61	0.30	5.20	2.23	0.03	0.42	—	0.42	0.42	—	0.42	—	6,603	6,603	0.58	0.01	—	6,621
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.31	9.31	< 0.005	< 0.005	—	9.34
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.05	0.02	0.40	0.17	< 0.005	0.03	—	0.03	0.03	—	0.03	—	459	459	0.04	< 0.005	—	460
Single Family Housing	0.06	0.03	0.54	0.23	< 0.005	0.04	—	0.04	0.04	—	0.04	—	625	625	0.06	< 0.005	—	626
Total	0.11	0.06	0.95	0.41	0.01	0.08	—	0.08	0.08	—	0.08	—	1,093	1,093	0.10	< 0.005	—	1,096

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	< 0.005	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.2	54.2	< 0.005	< 0.005	—	54.3
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Low Rise	0.19	0.10	1.65	0.70	0.01	0.13	—	0.13	0.13	—	0.13	—	2,096	2,096	0.19	< 0.005	—	2,102
Single Family Housing	0.27	0.14	2.31	0.98	0.01	0.19	—	0.19	0.19	—	0.19	—	2,931	2,931	0.26	0.01	—	2,939
Total	0.47	0.23	4.01	1.72	0.03	0.32	—	0.32	0.32	—	0.32	—	5,081	5,081	0.45	0.01	—	5,095
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	< 0.005	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	54.2	54.2	< 0.005	< 0.005	—	54.3
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
Other Non-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
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

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.19	0.10	1.65	0.70	0.01	0.13	—	0.13	0.13	—	0.13	—	2,096	2,096	0.19	< 0.005	—	2,102
Single Family Housing	0.27	0.14	2.31	0.98	0.01	0.19	—	0.19	0.19	—	0.19	—	2,931	2,931	0.26	0.01	—	2,939
Total	0.47	0.23	4.01	1.72	0.03	0.32	—	0.32	0.32	—	0.32	—	5,081	5,081	0.45	0.01	—	5,095
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.97	8.97	< 0.005	< 0.005	—	9.00
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.04	0.02	0.30	0.13	< 0.005	0.02	—	0.02	0.02	—	0.02	—	347	347	0.03	< 0.005	—	348
Single Family Housing	0.05	0.02	0.42	0.18	< 0.005	0.03	—	0.03	0.03	—	0.03	—	485	485	0.04	< 0.005	—	487
Total	0.09	0.04	0.73	0.31	< 0.005	0.06	—	0.06	0.06	—	0.06	—	841	841	0.07	< 0.005	—	844

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.39	0.69	11.9	5.05	0.08	0.96	—	0.96	0.96	—	0.96	0.00	15,052	15,052	0.28	0.03	—	15,067
Consumer Products	28.4	28.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.35	2.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.45	4.21	0.44	48.5	< 0.005	0.02	—	0.02	0.02	—	0.02	—	130	130	0.01	< 0.005	—	130
Total	36.6	35.7	12.3	53.5	0.08	0.98	—	0.98	0.98	—	0.98	0.00	15,181	15,181	0.29	0.03	—	15,197
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.39	0.69	11.9	5.05	0.08	0.96	—	0.96	0.96	—	0.96	0.00	15,052	15,052	0.28	0.03	—	15,067
Consumer Products	28.4	28.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.35	2.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	32.2	31.5	11.9	5.05	0.08	0.96	—	0.96	0.96	—	0.96	0.00	15,052	15,052	0.28	0.03	—	15,067
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.01	0.15	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	171	171	< 0.005	< 0.005	—	171
Consumer Products	5.19	5.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.43	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.40	0.38	0.04	4.36	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.6	10.6	< 0.005	< 0.005	—	10.6
Total	6.04	6.00	0.19	4.42	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	181	181	< 0.005	< 0.005	—	181

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.39	0.69	11.9	5.05	0.08	0.96	—	0.96	0.96	—	0.96	0.00	15,052	15,052	0.28	0.03	—	15,067
Consumer Products	26.5	26.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.45	4.21	0.44	48.5	< 0.005	0.02	—	0.02	0.02	—	0.02	—	130	130	0.01	< 0.005	—	130
Total	32.8	31.9	12.3	53.5	0.08	0.98	—	0.98	0.98	—	0.98	0.00	15,181	15,181	0.29	0.03	—	15,197
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.39	0.69	11.9	5.05	0.08	0.96	—	0.96	0.96	—	0.96	0.00	15,052	15,052	0.28	0.03	—	15,067
Consumer Products	26.5	26.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	28.4	27.7	11.9	5.05	0.08	0.96	—	0.96	0.96	—	0.96	0.00	15,052	15,052	0.28	0.03	—	15,067
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.01	0.15	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	171	171	< 0.005	< 0.005	—	171
Consumer Products	4.84	4.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.40	0.38	0.04	4.36	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.6	10.6	< 0.005	< 0.005	—	10.6
Total	5.34	5.31	0.19	4.42	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	181	181	< 0.005	< 0.005	—	181

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	0.66	1.09	1.75	0.07	< 0.005	—	3.91
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	345	345	0.05	0.01	—	348
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	39.7	66.4	106	4.08	0.10	—	237
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	25.8	43.1	68.9	2.65	0.06	—	154
Total	—	—	—	—	—	—	—	—	—	—	—	66.2	456	522	6.85	0.17	—	743
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	—	—	—	—	—	—	—	—	—	—	—	0.66	1.09	1.75	0.07	< 0.005	—	3.91
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	345	345	0.05	0.01	—	348
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	39.7	66.4	106	4.08	0.10	—	237
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	25.8	43.1	68.9	2.65	0.06	—	154
Total	—	—	—	—	—	—	—	—	—	—	—	66.2	456	522	6.85	0.17	—	743

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	0.11	0.18	0.29	0.01	< 0.005	—	0.65
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	57.1	57.1	0.01	< 0.005	—	57.6
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	6.58	11.0	17.6	0.68	0.02	—	39.3
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	4.27	7.13	11.4	0.44	0.01	—	25.5
Total	—	—	—	—	—	—	—	—	—	—	—	11.0	75.4	86.4	1.13	0.03	—	123

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	0.66	1.09	1.75	0.07	< 0.005	—	3.91
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	345	345	0.05	0.01	—	348
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	39.7	66.4	106	4.08	0.10	—	237
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	25.8	43.1	68.9	2.65	0.06	—	154
Total	—	—	—	—	—	—	—	—	—	—	—	66.2	456	522	6.85	0.17	—	743
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	—	—	—	—	—	—	—	—	—	—	—	0.66	1.09	1.75	0.07	< 0.005	—	3.91
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	345	345	0.05	0.01	—	348
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	39.7	66.4	106	4.08	0.10	—	237
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	25.8	43.1	68.9	2.65	0.06	—	154
Total	—	—	—	—	—	—	—	—	—	—	—	66.2	456	522	6.85	0.17	—	743

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	0.11	0.18	0.29	0.01	< 0.005	—	0.65
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	57.1	57.1	0.01	< 0.005	—	57.6
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	6.58	11.0	17.6	0.68	0.02	—	39.3
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	4.27	7.13	11.4	0.44	0.01	—	25.5
Total	—	—	—	—	—	—	—	—	—	—	—	11.0	75.4	86.4	1.13	0.03	—	123

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.5

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	4.05	0.00	4.05	0.40	0.00	—	14.2
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	711
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	163	0.00	163	16.3	0.00	—	571
Total	—	—	—	—	—	—	—	—	—	—	—	384	0.00	384	38.4	0.00	—	1,345
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	13.9	0.00	13.9	1.39	0.00	—	48.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	4.05	0.00	4.05	0.40	0.00	—	14.2
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	203	0.00	203	20.3	0.00	—	711

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	163	0.00	163	16.3	0.00	—	571
Total	—	—	—	—	—	—	—	—	—	—	—	384	0.00	384	38.4	0.00	—	1,345
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	2.30	0.00	2.30	0.23	0.00	—	8.03
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.67	0.00	0.67	0.07	0.00	—	2.35
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	33.6	0.00	33.6	3.36	0.00	—	118
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	27.0	0.00	27.0	2.70	0.00	—	94.6
Total	—	—	—	—	—	—	—	—	—	—	—	63.6	0.00	63.6	6.36	0.00	—	223

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Elementary School	—	—	—	—	—	—	—	—	—	—	—	3.47	0.00	3.47	0.35	0.00	—	12.1
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	1.01	0.00	1.01	0.10	0.00	—	3.54
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	50.8	0.00	50.8	5.08	0.00	—	178
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	40.8	0.00	40.8	4.08	0.00	—	143
Total	—	—	—	—	—	—	—	—	—	—	—	96.1	0.00	96.1	9.61	0.00	—	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	3.47	0.00	3.47	0.35	0.00	—	12.1
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	1.01	0.00	1.01	0.10	0.00	—	3.54

Apartme nts	—	—	—	—	—	—	—	—	—	—	—	50.8	0.00	50.8	5.08	0.00	—	178
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	40.8	0.00	40.8	4.08	0.00	—	143
Total	—	—	—	—	—	—	—	—	—	—	—	96.1	0.00	96.1	9.61	0.00	—	336
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	—	—	—	—	—	—	—	—	—	—	—	0.57	0.00	0.57	0.06	0.00	—	2.01
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.17	0.00	0.17	0.02	0.00	—	0.59
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	8.41	0.00	8.41	0.84	0.00	—	29.4
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	6.76	0.00	6.76	0.68	0.00	—	23.6
Total	—	—	—	—	—	—	—	—	—	—	—	15.9	0.00	15.9	1.59	0.00	—	55.7

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.87	3.87
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.62	4.62
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.54	8.54
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.87	3.87
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.62	4.62
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.54	8.54
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.64	0.64
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.77	0.77

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.41	1.41

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.87	3.87
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.62	4.62
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.54	8.54
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.87	3.87
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.62	4.62
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.54	8.54
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Elementary	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.64	0.64
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.77	0.77
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.41	1.41

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	9/1/2031	12/12/2031	5.00	75.0	—
Grading	Grading	12/13/2031	6/15/2032	5.00	132	—
Building Construction	Building Construction	6/16/2032	7/4/2034	5.00	535	—
Paving	Paving	6/7/2033	9/29/2034	5.00	344	—
Architectural Coating	Architectural Coating	8/1/2033	12/29/2034	5.00	370	—

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	6.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37

Building Construction	Cranes	Diesel	Average	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	15.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	15.0	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	10.0	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	10.0	6.00	37.0	0.48

5.2.2. Mitigated

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	6.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	15.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	15.0	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	10.0	8.00	46.0	0.45

Paving	Pavers	Diesel	Tier 4 Final	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	10.0	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	25.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	5.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	35.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	7.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	491	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	91.8	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	6.00	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	98.3	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	25.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	5.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	35.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	7.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	491	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	91.8	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2

Paving	Vendor	6.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	98.3	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	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	2,401,751	800,584	17,682	5,894	479,752

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	225	0.00	—
Grading	0.00	0.00	792	0.00	—
Paving	0.00	0.00	0.00	0.00	187

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Elementary School	0.00	0%
Other Asphalt Surfaces	25.1	100%
Other Non-Asphalt Surfaces	99.5	0%
Parking Lot	59.0	100%
City Park	0.00	0%
Apartments Low Rise	—	0%
Single Family Housing	3.65	0%

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	247	0.03	< 0.005
2032	0.00	247	0.03	< 0.005
2033	0.00	247	0.03	< 0.005
2034	0.00	247	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Elementary School	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

Other Non-Asphalt Surfaces	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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	6,012	6,012	6,012	2,194,380	78,342	78,342	78,342	28,594,830

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Elementary School	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
Other Non-Asphalt Surfaces	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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	6,012	6,012	6,012	2,194,380	78,342	78,342	78,342	28,594,830

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—

Wood Fireplaces	0
Gas Fireplaces	434
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	51
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	281
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	33
Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	434
Propane Fireplaces	0
Electric Fireplaces	0

No Fireplaces	51
Conventional Wood Stoves	0
Catalytic Wood Stoves	26
Non-Catalytic Wood Stoves	26
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	281
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	33
Conventional Wood Stoves	0
Catalytic Wood Stoves	17
Non-Catalytic Wood Stoves	17
Pellet Wood Stoves	0

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)
2401751.25	800,584	17,682	5,894	479,752

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Elementary School	221,137	247	0.0330	0.0040	175,519
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Parking Lot	2,251,355	247	0.0330	0.0040	0.00
City Park	0.00	247	0.0330	0.0040	0.00
Apartments Low Rise	3,491,863	247	0.0330	0.0040	8,654,814
Single Family Housing	3,091,290	247	0.0330	0.0040	11,771,788

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)
Elementary School	79,928	247	0.0330	0.0040	169,089
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Parking Lot	2,251,355	247	0.0330	0.0040	0.00
City Park	0.00	247	0.0330	0.0040	0.00
Apartments Low Rise	1,570,149	247	0.0330	0.0040	6,540,886
Single Family Housing	2,315,390	247	0.0330	0.0040	9,144,333

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Elementary School	341,818	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
City Park	0.00	158,763,099
Apartments Low Rise	20,743,625	0.00
Single Family Housing	13,463,020	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Elementary School	341,818	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
City Park	0.00	158,763,099
Apartments Low Rise	20,743,625	0.00
Single Family Housing	13,463,020	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Elementary School	25.7	—

Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
City Park	7.52	—
Apartments Low Rise	377	—
Single Family Housing	303	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Elementary School	6.43	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
City Park	1.88	—
Apartments Low Rise	94.3	—
Single Family Housing	75.8	—

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
Elementary School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Elementary School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Elementary School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00

Elementary School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Elementary School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Elementary School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Elementary School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Elementary School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.5	annual days of extreme heat

Extreme Precipitation	0.85	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.15	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 $\frac{3}{4}$ 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	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	51.0
AQ-PM	9.06
AQ-DPM	1.39
Drinking Water	64.7
Lead Risk Housing	43.7
Pesticides	50.2

Toxic Releases	4.91
Traffic	12.8
Effect Indicators	—
CleanUp Sites	84.8
Groundwater	56.1
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	23.9
Solid Waste	99.2
Sensitive Population	—
Asthma	72.9
Cardio-vascular	94.2
Low Birth Weights	17.2
Socioeconomic Factor Indicators	—
Education	70.7
Housing	15.9
Linguistic	35.3
Poverty	80.1
Unemployment	—

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	15.27011421
Employed	36.37880149
Median HI	20.15911716
Education	—

Bachelor's or higher	26.78044399
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	82.44578468
Active commuting	45.97715899
Social	—
2-parent households	20.59540613
Voting	44.10368279
Neighborhood	—
Alcohol availability	97.0101373
Park access	19.59450789
Retail density	0.872577955
Supermarket access	6.351854228
Tree canopy	0.346464776
Housing	—
Homeownership	79.96920313
Housing habitability	86.07724881
Low-inc homeowner severe housing cost burden	66.38008469
Low-inc renter severe housing cost burden	98.0366996
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	4.067753112
Arthritis	0.0
Asthma ER Admissions	24.0
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	2.5
Cognitively Disabled	18.3
Physically Disabled	14.9
Heart Attack ER Admissions	20.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	99.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	22.0
Elderly	16.0
English Speaking	46.5
Foreign-born	48.2
Outdoor Workers	5.8
Climate Change Adaptive Capacity	—

Impervious Surface Cover	91.8
Traffic Density	7.9
Traffic Access	23.0
Other Indices	—
Hardship	76.6
Other Decision Support	—
2016 Voting	47.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	57.0
Healthy Places Index Score for Project Location (b)	20.0
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

Characteristics: Project Details	Changed Locational Context from NA to Suburban to allow mitigation measures to be implemented in model. Input Start of Construction Based on schedule. No other changes made.
Land Use	Apartments Low Rise and Single Family Housing: Lot Acreage updated based on Plans. Drainage, Other Open Space shown as Non-Asphalt Surfaces. Roads shown as Other Asphalt Surfaces. Open Space/ Landscaping shown as City Park.
Construction: Construction Phases	Construction duration updated based on schedule. This shorter construction schedule is more conservative because more emissions are generated per day. Revised schedule consistent with TIA.
Construction: Off-Road Equipment	Increased construction equipment assumptions based on similar projects.
Construction: Architectural Coatings	SCAQMD Rule 1113 limits VOC in paint to 50 g/L
Operations: Hearths	SCAQMD Rule 445 prohibits the installation of permanent wood-burning devices in any new residential development.
Operations: Architectural Coatings	SCAQMD Rule 1113 limits VOC in paint to 50 g/L
Operations: Refrigerants	The City Park land use is used to model Open Space and therefore does not include refrigeration.
Operations: Vehicle Data	Total Phase 3 trips calculated with Single Family. TIA shows trip generation = 6,012 and VMT = 78,342 therefore trip length = 13.030938 and annual VMT = 28,594,830

KPC Coachella Phase 4 Detailed Report

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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

5.9. 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	KPC Coachella Phase 4
Construction Start Date	1/1/2035
Operational Year	2038
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.7100571606627, -116.11165501828529
County	Riverside-Salton Sea
City	Coachella
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5680
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.24

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

General Office Building	253	1000sqft	5.81	252,930	0.00	—	—	—
Other Asphalt Surfaces	23.3	Acre	23.3	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	111	Acre	111	0.00	0.00	—	—	—
Parking Lot	122	Acre	122	0.00	0.00	—	—	—
City Park	38.3	Acre	38.3	0.00	1,668,348	1,668,348	—	—
Apartments Mid Rise	2,032	Dwelling Unit	53.5	1,950,720	0.00	—	6,563	—
Regional Shopping Center	759	1000sqft	17.4	758,780	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-9	Use Dust Suppressants
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Construction	C-13	Use Low-VOC Paints for Construction
Transportation	T-5	Implement Commute Trip Reduction Program (Voluntary)
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Energy	E-12-B	Install Electric Space Heater in Place of Natural Gas Heaters in Residences
Energy	E-13	Install Electric Ranges in Place of Gas Ranges

Waste	S-1/S-2	Implement Waste Reduction Plan
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

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.	63.0	61.8	64.1	195	0.23	1.48	39.8	41.3	1.36	20.3	21.7	—	50,270	50,270	0.91	1.47	36.3	50,766
Mit.	18.4	18.3	37.5	201	0.23	0.47	31.7	32.1	0.47	8.00	8.21	—	50,270	50,270	0.91	1.47	36.3	50,766
% Reduced	71%	70%	41%	-3%	—	68%	21%	22%	66%	61%	62%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	62.7	61.4	66.5	155	0.23	1.48	39.8	41.3	1.36	20.3	21.7	—	46,776	46,776	0.96	1.55	1.09	47,264
Mit.	18.0	17.9	39.2	160	0.23	0.47	31.7	32.2	0.47	8.00	8.21	—	46,776	46,776	0.96	1.55	1.09	47,264
% Reduced	71%	71%	41%	-3%	—	68%	20%	22%	66%	61%	62%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	43.7	43.0	40.9	105	0.15	0.87	19.5	20.1	0.80	7.81	8.61	—	29,784	29,784	0.57	1.06	11.4	30,073
Mit.	12.2	12.2	24.0	108	0.15	0.29	19.5	19.8	0.29	4.67	4.96	—	29,784	29,784	0.57	1.06	11.4	30,073

% Reduced	72%	72%	41%	-3%	—	66%	—	2%	64%	40%	42%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.98	7.84	7.47	19.1	0.03	0.16	3.56	3.67	0.15	1.43	1.57	—	4,931	4,931	0.09	0.18	1.89	4,979
Mit.	2.23	2.22	4.39	19.7	0.03	0.05	3.56	3.61	0.05	0.85	0.90	—	4,931	4,931	0.09	0.18	1.89	4,979
% Reduced	72%	72%	41%	-3%	—	66%	—	2%	64%	40%	42%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	56.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	56.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	5.96	5.02	38.6	49.0	0.12	1.48	39.8	41.3	1.36	20.3	21.7	—	13,520	13,520	0.53	0.13	0.80	13,573
2036	9.31	8.48	45.4	151	0.19	0.73	26.6	27.4	0.69	6.38	7.07	—	41,391	41,391	0.70	1.47	36.3	41,884

2037	63.0	61.8	64.1	195	0.23	0.98	31.7	32.6	0.92	7.58	8.50	—	50,270	50,270	0.91	1.47	36.3	50,766
2038	51.5	51.3	8.04	27.0	0.02	0.04	4.67	4.71	0.04	1.09	1.13	—	5,760	5,760	0.09	0.03	3.88	5,776
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	9.00	8.03	47.7	116	0.19	1.48	39.8	41.3	1.36	20.3	21.7	—	38,566	38,566	0.75	1.47	1.08	39,025
2036	62.7	61.4	66.5	155	0.23	1.06	31.7	32.8	0.99	7.58	8.57	—	46,776	46,776	0.96	1.55	1.09	47,264
2037	62.4	61.1	64.8	152	0.23	0.98	31.7	32.6	0.92	7.58	8.50	—	46,359	46,359	0.96	1.47	0.94	46,821
2038	53.8	53.5	19.0	40.3	0.05	0.27	5.11	5.39	0.25	1.20	1.45	—	8,589	8,589	0.21	0.08	0.11	8,619
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	4.59	3.94	26.7	46.4	0.09	0.87	19.0	19.8	0.80	7.81	8.61	—	13,098	13,098	0.38	0.29	2.88	13,196
2036	10.3	9.58	35.5	94.7	0.14	0.57	19.4	19.9	0.53	4.64	5.17	—	29,122	29,122	0.53	1.06	11.4	29,463
2037	43.7	43.0	40.9	105	0.15	0.62	19.5	20.1	0.58	4.67	5.25	—	29,784	29,784	0.57	0.89	9.68	30,073
2038	12.1	12.1	2.19	5.79	< 0.005	0.02	1.10	1.12	0.01	0.26	0.27	—	1,357	1,357	0.02	0.01	0.40	1,360
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.84	0.72	4.87	8.48	0.02	0.16	3.46	3.62	0.15	1.43	1.57	—	2,168	2,168	0.06	0.05	0.48	2,185
2036	1.87	1.75	6.49	17.3	0.03	0.10	3.53	3.64	0.10	0.85	0.94	—	4,821	4,821	0.09	0.18	1.89	4,878
2037	7.98	7.84	7.47	19.1	0.03	0.11	3.56	3.67	0.11	0.85	0.96	—	4,931	4,931	0.09	0.15	1.60	4,979
2038	2.22	2.21	0.40	1.06	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	225	225	< 0.005	< 0.005	0.07	225

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	1.34	1.33	7.76	70.5	0.12	0.25	15.8	16.1	0.25	8.00	8.21	—	13,520	13,520	0.53	0.13	0.80	13,573
2036	6.14	6.00	26.6	156	0.19	0.39	26.6	27.0	0.38	6.38	6.76	—	41,391	41,391	0.70	1.47	36.3	41,884

2037	18.4	18.3	37.5	201	0.23	0.47	31.7	32.1	0.47	7.58	8.05	—	50,270	50,270	0.91	1.47	36.3	50,766
2038	11.0	11.0	7.05	25.7	0.02	0.02	4.67	4.69	0.02	1.09	1.12	—	5,760	5,760	0.09	0.03	3.88	5,776
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	5.75	5.49	28.2	121	0.19	0.39	26.6	27.0	0.38	8.00	8.21	—	38,566	38,566	0.75	1.47	1.08	39,025
2036	18.0	17.9	39.2	160	0.23	0.47	31.7	32.2	0.47	7.58	8.05	—	46,776	46,776	0.96	1.55	1.09	47,264
2037	17.8	17.6	38.2	158	0.23	0.47	31.7	32.1	0.47	7.58	8.05	—	46,359	46,359	0.96	1.47	0.94	46,821
2038	12.4	12.4	11.1	40.7	0.05	0.08	5.11	5.20	0.08	1.20	1.28	—	8,589	8,589	0.21	0.08	0.11	8,619
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	1.58	1.54	8.08	57.2	0.09	0.19	9.98	10.2	0.19	3.66	3.85	—	13,098	13,098	0.38	0.29	2.88	13,196
2036	5.06	4.93	20.9	98.4	0.14	0.29	19.4	19.7	0.29	4.64	4.92	—	29,122	29,122	0.53	1.06	11.4	29,463
2037	12.2	12.2	24.0	108	0.15	0.29	19.5	19.8	0.29	4.67	4.96	—	29,784	29,784	0.57	0.89	9.68	30,073
2038	2.60	2.60	1.76	5.53	< 0.005	0.01	1.10	1.11	0.01	0.26	0.27	—	1,357	1,357	0.02	0.01	0.40	1,360
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2035	0.29	0.28	1.47	10.4	0.02	0.03	1.82	1.86	0.03	0.67	0.70	—	2,168	2,168	0.06	0.05	0.48	2,185
2036	0.92	0.90	3.82	18.0	0.03	0.05	3.53	3.59	0.05	0.85	0.90	—	4,821	4,821	0.09	0.18	1.89	4,878
2037	2.23	2.22	4.39	19.7	0.03	0.05	3.56	3.61	0.05	0.85	0.90	—	4,931	4,931	0.09	0.15	1.60	4,979
2038	0.47	0.47	0.32	1.01	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	225	225	< 0.005	< 0.005	0.07	225

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.	164	154	113	1,024	2.72	4.46	241	246	4.35	61.2	65.5	1,720	325,588	327,308	184	11.3	196	335,461
Mit.	137	128	110	863	2.70	4.19	241	245	4.11	61.2	65.3	694	310,599	311,293	79.7	11.1	196	316,775

% Reduced	17%	17%	3%	16%	1%	6%	—	< 0.5%	5%	—	< 0.5%	60%	5%	5%	57%	2%	—	6%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	137	128	118	579	2.43	4.33	241	245	4.25	61.2	65.4	1,720	296,900	298,620	184	11.5	22.8	306,683
Mit.	128	119	116	578	2.42	4.19	241	245	4.12	61.2	65.3	694	282,344	283,038	79.8	11.3	22.8	288,432
% Reduced	7%	7%	1%	< 0.5%	< 0.5%	3%	—	< 0.5%	3%	—	< 0.5%	60%	5%	5%	57%	2%	—	6%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	145	137	88.7	738	2.37	2.23	240	242	2.14	60.9	63.0	1,720	274,388	276,108	183	11.3	95.1	284,151
Mit.	127	120	86.3	658	2.36	2.03	240	242	1.96	60.9	62.8	694	259,619	260,314	79.0	11.1	95.1	265,685
% Reduced	12%	13%	3%	11%	1%	9%	—	< 0.5%	9%	—	< 0.5%	60%	5%	6%	57%	2%	—	6%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	26.5	25.1	16.2	135	0.43	0.41	43.8	44.2	0.39	11.1	11.5	285	45,428	45,713	30.4	1.87	15.8	47,044
Mit.	23.2	21.9	15.7	120	0.43	0.37	43.8	44.2	0.36	11.1	11.5	115	42,983	43,098	13.1	1.83	15.8	43,987
% Reduced	12%	13%	3%	11%	1%	9%	—	< 0.5%	9%	—	< 0.5%	60%	5%	6%	57%	2%	—	6%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	Yes	—	—	—	—	—	—	—
Mit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	Yes	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	Yes	—	—	—	—	—	—	—
Mit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	Yes	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,000
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes
Mit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes

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	70.9	64.2	74.0	847	2.47	1.32	241	242	1.24	61.2	62.4	—	252,111	252,111	6.13	9.89	178	255,390
Area	92.0	89.2	30.1	172	0.19	2.45	—	2.45	2.41	—	2.41	0.00	36,857	36,857	0.71	0.07	—	36,896
Energy	1.00	0.50	8.71	4.58	0.05	0.69	—	0.69	0.69	—	0.69	—	35,881	35,881	4.31	0.43	—	36,115
Water	—	—	—	—	—	—	—	—	—	—	—	352	739	1,092	36.2	0.87	—	2,256
Waste	—	—	—	—	—	—	—	—	—	—	—	1,368	0.00	1,368	137	0.00	—	4,785
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.2	18.2
Total	164	154	113	1,024	2.72	4.46	241	246	4.35	61.2	65.5	1,720	325,588	327,308	184	11.3	196	335,461
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	62.3	55.8	80.5	562	2.19	1.32	241	242	1.24	61.2	62.4	—	223,913	223,913	6.29	10.2	4.62	227,103
Area	73.6	72.0	28.7	12.2	0.18	2.32	—	2.32	2.32	—	2.32	0.00	36,368	36,368	0.68	0.07	—	36,405
Energy	1.00	0.50	8.71	4.58	0.05	0.69	—	0.69	0.69	—	0.69	—	35,881	35,881	4.31	0.43	—	36,115

Water	—	—	—	—	—	—	—	—	—	—	—	352	739	1,092	36.2	0.87	—	2,256
Waste	—	—	—	—	—	—	—	—	—	—	—	1,368	0.00	1,368	137	0.00	—	4,785
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.2	18.2
Total	137	128	118	579	2.43	4.33	241	245	4.25	61.2	65.4	1,720	296,900	298,620	184	11.5	22.8	306,683
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	64.5	58.0	77.3	653	2.30	1.32	240	241	1.24	60.9	62.1	—	235,036	235,036	6.15	9.98	76.9	238,240
Area	79.6	78.9	2.67	79.7	0.02	0.22	—	0.22	0.21	—	0.21	0.00	2,732	2,732	0.06	0.01	—	2,736
Energy	1.00	0.50	8.71	4.58	0.05	0.69	—	0.69	0.69	—	0.69	—	35,881	35,881	4.31	0.43	—	36,115
Water	—	—	—	—	—	—	—	—	—	—	—	352	739	1,092	36.2	0.87	—	2,256
Waste	—	—	—	—	—	—	—	—	—	—	—	1,368	0.00	1,368	137	0.00	—	4,785
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.2	18.2
Total	145	137	88.7	738	2.37	2.23	240	242	2.14	60.9	63.0	1,720	274,388	276,108	183	11.3	95.1	284,151
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.8	10.6	14.1	119	0.42	0.24	43.8	44.0	0.23	11.1	11.3	—	38,913	38,913	1.02	1.65	12.7	39,443
Area	14.5	14.4	0.49	14.5	< 0.005	0.04	—	0.04	0.04	—	0.04	0.00	452	452	0.01	< 0.005	—	453
Energy	0.18	0.09	1.59	0.84	0.01	0.13	—	0.13	0.13	—	0.13	—	5,940	5,940	0.71	0.07	—	5,979
Water	—	—	—	—	—	—	—	—	—	—	—	58.3	122	181	6.00	0.14	—	374
Waste	—	—	—	—	—	—	—	—	—	—	—	226	0.00	226	22.6	0.00	—	792
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.02	3.02
Total	26.5	25.1	16.2	135	0.43	0.41	43.8	44.2	0.39	11.1	11.5	285	45,428	45,713	30.4	1.87	15.8	47,044

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	70.9	64.2	74.0	847	2.47	1.32	241	242	1.24	61.2	62.4	—	252,111	252,111	6.13	9.89	178	255,390
Area	64.8	63.2	28.7	12.2	0.18	2.32	—	2.32	2.32	—	2.32	0.00	36,368	36,368	0.68	0.07	—	36,405
Energy	0.80	0.40	6.98	3.78	0.04	0.56	—	0.56	0.56	—	0.56	—	21,381	21,381	2.47	0.22	—	21,509
Water	—	—	—	—	—	—	—	—	—	—	—	352	739	1,092	36.2	0.87	—	2,256
Waste	—	—	—	—	—	—	—	—	—	—	—	342	0.00	342	34.2	0.00	—	1,196
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.2	18.2
Total	137	128	110	863	2.70	4.19	241	245	4.11	61.2	65.3	694	310,599	311,293	79.7	11.1	196	316,775
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	62.3	55.8	80.5	562	2.19	1.32	241	242	1.24	61.2	62.4	—	223,913	223,913	6.29	10.2	4.62	227,103
Area	64.8	63.2	28.7	12.2	0.18	2.32	—	2.32	2.32	—	2.32	0.00	36,368	36,368	0.68	0.07	—	36,405
Energy	0.80	0.40	6.98	3.78	0.04	0.56	—	0.56	0.56	—	0.56	—	21,325	21,325	2.46	0.22	—	21,452
Water	—	—	—	—	—	—	—	—	—	—	—	352	739	1,092	36.2	0.87	—	2,256
Waste	—	—	—	—	—	—	—	—	—	—	—	342	0.00	342	34.2	0.00	—	1,196
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.2	18.2
Total	128	119	116	578	2.42	4.19	241	245	4.12	61.2	65.3	694	282,344	283,038	79.8	11.3	22.8	288,432
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	64.5	58.0	77.3	653	2.30	1.32	240	241	1.24	60.9	62.1	—	235,036	235,036	6.15	9.98	76.9	238,240
Area	61.7	61.6	1.96	0.84	0.01	0.16	—	0.16	0.16	—	0.16	0.00	2,491	2,491	0.05	< 0.005	—	2,494
Energy	0.80	0.40	6.98	3.78	0.04	0.56	—	0.56	0.56	—	0.56	—	21,353	21,353	2.46	0.22	—	21,480
Water	—	—	—	—	—	—	—	—	—	—	—	352	739	1,092	36.2	0.87	—	2,256
Waste	—	—	—	—	—	—	—	—	—	—	—	342	0.00	342	34.2	0.00	—	1,196
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.2	18.2
Total	127	120	86.3	658	2.36	2.03	240	242	1.96	60.9	62.8	694	259,619	260,314	79.0	11.1	95.1	265,685
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.8	10.6	14.1	119	0.42	0.24	43.8	44.0	0.23	11.1	11.3	—	38,913	38,913	1.02	1.65	12.7	39,443
Area	11.3	11.2	0.36	0.15	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	412	412	0.01	< 0.005	—	413

Energy	0.15	0.07	1.27	0.69	0.01	0.10	—	0.10	0.10	—	0.10	—	3,535	3,535	0.41	0.04	—	3,556
Water	—	—	—	—	—	—	—	—	—	—	—	58.3	122	181	6.00	0.14	—	374
Waste	—	—	—	—	—	—	—	—	—	—	—	56.6	0.00	56.6	5.66	0.00	—	198
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.02	3.02
Total	23.2	21.9	15.7	120	0.43	0.37	43.8	44.2	0.36	11.1	11.5	115	42,983	43,098	13.1	1.83	15.8	43,987

3. Construction Emissions Details

3.1. Site Preparation (2035) - 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	5.85	4.92	38.4	45.8	0.10	1.47	—	1.47	1.36	—	1.36	—	10,592	10,592	0.43	0.09	—	10,628
Dust From Material Movement	—	—	—	—	—	—	39.3	39.3	—	20.2	20.2	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.85	4.92	38.4	45.8	0.10	1.47	—	1.47	1.36	—	1.36	—	10,592	10,592	0.43	0.09	—	10,628
Dust From Material Movement	—	—	—	—	—	—	39.3	39.3	—	20.2	20.2	—	—	—	—	—	—	—

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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.20	1.01	7.89	9.41	0.02	0.30	—	0.30	0.28	—	0.28	—	2,176	2,176	0.09	0.02	—	2,184
Dust From Material Movement	—	—	—	—	—	—	8.08	8.08	—	4.15	4.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	1.44	1.72	< 0.005	0.06	—	0.06	0.05	—	0.05	—	360	360	0.01	< 0.005	—	362
Dust From Material Movement	—	—	—	—	—	—	1.47	1.47	—	0.76	0.76	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	1.75	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	441	441	< 0.005	< 0.005	0.57	443
Vendor	0.01	0.01	0.17	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	170	170	< 0.005	0.02	0.23	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.07	0.98	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	377	377	< 0.005	< 0.005	0.01	378
Vendor	0.01	0.01	0.18	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	170	170	< 0.005	0.02	0.01	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	0.01	0.26	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	82.7	82.7	< 0.005	< 0.005	0.05	82.9
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	< 0.005	0.02	36.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.00	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.01	13.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.79	5.79	< 0.005	< 0.005	< 0.005	6.03
Hauling	0.00	0.00	0.00	0.00	0.00	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. Site Preparation (2035) - 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	1.00	1.00	5.18	56.6	0.10	0.20	—	0.20	0.20	—	0.20	—	10,592	10,592	0.43	0.09	—	10,628
Dust From Material Movement	—	—	—	—	—	—	15.3	15.3	—	7.88	7.88	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	1.00	5.18	56.6	0.10	0.20	—	0.20	0.20	—	0.20	—	10,592	10,592	0.43	0.09	—	10,628

Dust From Material Movement	—	—	—	—	—	—	15.3	15.3	—	7.88	7.88	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.06	11.6	0.02	0.04	—	0.04	0.04	—	0.04	—	2,176	2,176	0.09	0.02	—	2,184
Dust From Material Movement	—	—	—	—	—	—	3.15	3.15	—	1.62	1.62	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.19	2.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	360	360	0.01	< 0.005	—	362
Dust From Material Movement	—	—	—	—	—	—	0.57	0.57	—	0.30	0.30	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	1.75	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	441	441	< 0.005	< 0.005	0.57	443
Vendor	0.01	0.01	0.17	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	170	170	< 0.005	0.02	0.23	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.08	0.08	0.07	0.98	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	377	377	< 0.005	< 0.005	0.01	378
Vendor	0.01	0.01	0.18	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	170	170	< 0.005	0.02	0.01	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	0.01	0.26	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	82.7	82.7	< 0.005	< 0.005	0.05	82.9
Vendor	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	< 0.005	0.02	36.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.00	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.01	13.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.79	5.79	< 0.005	< 0.005	< 0.005	6.03
Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (2035) - 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	5.46	4.59	32.1	47.2	0.12	1.23	—	1.23	1.13	—	1.13	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	5.46	4.59	32.1	47.2	0.12	1.23	—	1.23	1.13	—	1.13	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.98	1.66	11.6	17.1	0.04	0.44	—	0.44	0.41	—	0.41	—	4,668	4,668	0.19	0.04	—	4,684
Dust From Material Movement	—	—	—	—	—	—	6.66	6.66	—	2.64	2.64	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.36	0.30	2.12	3.12	0.01	0.08	—	0.08	0.07	—	0.07	—	773	773	0.03	0.01	—	776
Dust From Material Movement	—	—	—	—	—	—	1.21	1.21	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	1.75	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	441	441	< 0.005	< 0.005	0.57	443
Vendor	0.01	0.01	0.17	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	170	170	< 0.005	0.02	0.23	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.07	0.98	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	377	377	< 0.005	< 0.005	0.01	378
Vendor	0.01	0.01	0.18	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	170	170	< 0.005	0.02	0.01	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	0.03	0.03	0.03	0.45	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	146	146	< 0.005	< 0.005	0.09	146
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.5	61.5	< 0.005	0.01	0.04	64.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.01	24.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (2035) - 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	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.45	2.72	24.9	0.04	0.09	—	0.09	0.09	—	0.09	—	4,668	4,668	0.19	0.04	—	4,684
Dust From Material Movement	—	—	—	—	—	—	2.60	2.60	—	1.03	1.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.50	4.54	0.01	0.02	—	0.02	0.02	—	0.02	—	773	773	0.03	0.01	—	776
Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.19	0.19	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.07	1.75	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	441	441	< 0.005	< 0.005	0.57	443

Vendor	0.01	0.01	0.17	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	170	170	< 0.005	0.02	0.23	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.07	0.98	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	377	377	< 0.005	< 0.005	0.01	378
Vendor	0.01	0.01	0.18	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	170	170	< 0.005	0.02	0.01	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	0.03	0.03	0.03	0.45	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	146	146	< 0.005	< 0.005	0.09	146
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	61.5	61.5	< 0.005	0.01	0.04	64.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	24.1	24.1	< 0.005	< 0.005	0.01	24.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	0.01	10.6
Hauling	0.00	0.00	0.00	0.00	0.00	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 (2035) - 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	4.43	3.70	34.1	61.9	0.10	0.61	—	0.61	0.56	—	0.56	—	10,006	10,006	0.41	0.08	—	10,041

Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.55	5.08	9.20	0.01	0.09	—	0.09	0.08	—	0.08	—	1,488	1,488	0.06	0.01	—	1,493
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.10	0.93	1.68	< 0.005	0.02	—	0.02	0.02	—	0.02	—	246	246	0.01	< 0.005	—	247
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.12	4.04	3.74	50.1	0.00	0.00	23.4	23.4	0.00	5.47	5.47	—	19,245	19,245	0.20	0.12	0.76	19,286
Vendor	0.45	0.29	9.79	4.08	0.09	0.17	3.28	3.45	0.17	0.91	1.08	—	9,315	9,315	0.15	1.27	0.33	9,698
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.63	0.62	0.55	9.43	0.00	0.00	3.46	3.46	0.00	0.81	0.81	—	3,056	3,056	0.02	0.02	1.88	3,063
Vendor	0.07	0.05	1.42	0.59	0.01	0.03	0.49	0.51	0.03	0.13	0.16	—	1,384	1,384	0.02	0.19	0.80	1,442
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.11	0.10	1.72	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	506	506	< 0.005	< 0.005	0.31	507
Vendor	0.01	0.01	0.26	0.11	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	229	229	< 0.005	0.03	0.13	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

3.6. Building Construction (2035) - 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	1.19	1.17	14.7	66.7	0.10	0.21	—	0.21	0.21	—	0.21	—	10,006	10,006	0.41	0.08	—	10,041
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.17	2.18	9.92	0.01	0.03	—	0.03	0.03	—	0.03	—	1,488	1,488	0.06	0.01	—	1,493
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.40	1.81	< 0.005	0.01	—	0.01	0.01	—	0.01	—	246	246	0.01	< 0.005	—	247
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.12	4.04	3.74	50.1	0.00	0.00	23.4	23.4	0.00	5.47	5.47	—	19,245	19,245	0.20	0.12	0.76	19,286
Vendor	0.45	0.29	9.79	4.08	0.09	0.17	3.28	3.45	0.17	0.91	1.08	—	9,315	9,315	0.15	1.27	0.33	9,698
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.63	0.62	0.55	9.43	0.00	0.00	3.46	3.46	0.00	0.81	0.81	—	3,056	3,056	0.02	0.02	1.88	3,063
Vendor	0.07	0.05	1.42	0.59	0.01	0.03	0.49	0.51	0.03	0.13	0.16	—	1,384	1,384	0.02	0.19	0.80	1,442
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.11	0.10	1.72	0.00	0.00	0.63	0.63	0.00	0.15	0.15	—	506	506	< 0.005	< 0.005	0.31	507
Vendor	0.01	0.01	0.26	0.11	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	229	229	< 0.005	0.03	0.13	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

3.7. Building Construction (2036) - 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	4.36	3.64	33.5	61.7	0.10	0.56	—	0.56	0.52	—	0.52	—	10,006	10,006	0.41	0.08	—	10,041
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.36	3.64	33.5	61.7	0.10	0.56	—	0.56	0.52	—	0.52	—	10,006	10,006	0.41	0.08	—	10,041

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	3.13	2.61	24.0	44.2	0.07	0.40	—	0.40	0.37	—	0.37	—	7,167	7,167	0.29	0.06	—	7,192	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.57	0.48	4.38	8.06	0.01	0.07	—	0.07	0.07	—	0.07	—	1,187	1,187	0.05	0.01	—	1,191	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	4.55	4.51	2.97	85.1	0.00	0.00	23.4	23.4	0.00	5.47	5.47	—	22,315	22,315	0.16	0.12	25.5	22,379	
Vendor	0.40	0.32	8.96	3.91	0.09	0.17	3.28	3.45	0.17	0.91	1.08	—	9,070	9,070	0.14	1.27	10.8	9,464	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	3.96	3.92	3.70	48.2	0.00	0.00	23.4	23.4	0.00	5.47	5.47	—	19,058	19,058	0.20	0.12	0.66	19,099	
Vendor	0.36	0.29	9.58	4.07	0.09	0.17	3.28	3.45	0.17	0.91	1.08	—	9,082	9,082	0.14	1.27	0.28	9,465	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	2.95	2.89	2.62	43.1	0.00	0.00	16.6	16.6	0.00	3.90	3.90	—	14,570	14,570	0.11	0.08	7.91	14,606	
Vendor	0.28	0.22	6.68	2.85	0.06	0.12	2.34	2.46	0.12	0.65	0.77	—	6,500	6,500	0.10	0.91	3.33	6,777	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.54	0.53	0.48	7.86	0.00	0.00	3.04	3.04	0.00	0.71	0.71	—	2,412	2,412	0.02	0.01	1.31	2,418
Vendor	0.05	0.04	1.22	0.52	0.01	0.02	0.43	0.45	0.02	0.12	0.14	—	1,076	1,076	0.02	0.15	0.55	1,122
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction (2036) - 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	1.19	1.17	14.7	66.7	0.10	0.21	—	0.21	0.21	—	0.21	—	10,006	10,006	0.41	0.08	—	10,041
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.19	1.17	14.7	66.7	0.10	0.21	—	0.21	0.21	—	0.21	—	10,006	10,006	0.41	0.08	—	10,041
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.85	0.84	10.5	47.8	0.07	0.15	—	0.15	0.15	—	0.15	—	7,167	7,167	0.29	0.06	—	7,192
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.16	0.15	1.92	8.72	0.01	0.03	—	0.03	0.03	—	0.03	—	1,187	1,187	0.05	0.01	—	1,191

Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.55	4.51	2.97	85.1	0.00	0.00	23.4	23.4	0.00	5.47	5.47	—	22,315	22,315	0.16	0.12	25.5	22,379
Vendor	0.40	0.32	8.96	3.91	0.09	0.17	3.28	3.45	0.17	0.91	1.08	—	9,070	9,070	0.14	1.27	10.8	9,464
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.96	3.92	3.70	48.2	0.00	0.00	23.4	23.4	0.00	5.47	5.47	—	19,058	19,058	0.20	0.12	0.66	19,099
Vendor	0.36	0.29	9.58	4.07	0.09	0.17	3.28	3.45	0.17	0.91	1.08	—	9,082	9,082	0.14	1.27	0.28	9,465
Hauling	0.00	0.00	0.00	0.00	0.00	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	2.95	2.89	2.62	43.1	0.00	0.00	16.6	16.6	0.00	3.90	3.90	—	14,570	14,570	0.11	0.08	7.91	14,606
Vendor	0.28	0.22	6.68	2.85	0.06	0.12	2.34	2.46	0.12	0.65	0.77	—	6,500	6,500	0.10	0.91	3.33	6,777
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.53	0.48	7.86	0.00	0.00	3.04	3.04	0.00	0.71	0.71	—	2,412	2,412	0.02	0.01	1.31	2,418
Vendor	0.05	0.04	1.22	0.52	0.01	0.02	0.43	0.45	0.02	0.12	0.14	—	1,076	1,076	0.02	0.15	0.55	1,122
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction (2037) - 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	4.31	3.60	33.1	61.4	0.10	0.51	—	0.51	0.47	—	0.47	—	10,006	10,006	0.41	0.08	—	10,041
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.31	3.60	33.1	61.4	0.10	0.51	—	0.51	0.47	—	0.47	—	10,006	10,006	0.41	0.08	—	10,041
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	2.59	2.16	19.9	36.9	0.06	0.31	—	0.31	0.28	—	0.28	—	6,012	6,012	0.24	0.05	—	6,032
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.47	0.39	3.63	6.74	0.01	0.06	—	0.06	0.05	—	0.05	—	995	995	0.04	0.01	—	999
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.27	4.23	2.97	81.9	0.00	0.00	23.4	23.4	0.00	5.47	5.47	—	22,113	22,113	0.16	0.12	22.2	22,174
Vendor	0.41	0.33	8.76	3.82	0.09	0.17	3.19	3.36	0.17	0.91	1.08	—	8,862	8,862	0.14	1.19	9.15	9,228
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.80	3.72	2.97	46.4	0.00	0.00	23.4	23.4	0.00	5.47	5.47	—	18,889	18,889	0.20	0.12	0.58	18,929
Vendor	0.36	0.29	9.47	3.98	0.09	0.17	3.19	3.36	0.17	0.91	1.08	—	8,874	8,874	0.14	1.19	0.24	9,231
Hauling	0.00	0.00	0.00	0.00	0.00	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	2.38	2.35	1.76	34.6	0.00	0.00	14.0	14.0	0.00	3.27	3.27	—	12,112	12,112	0.09	0.07	5.77	12,142
Vendor	0.23	0.19	5.54	2.33	0.05	0.10	1.91	2.01	0.10	0.54	0.65	—	5,327	5,327	0.08	0.71	2.38	5,544
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.43	0.32	6.32	0.00	0.00	2.55	2.55	0.00	0.60	0.60	—	2,005	2,005	0.02	0.01	0.96	2,010
Vendor	0.04	0.03	1.01	0.43	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	882	882	0.01	0.12	0.39	918
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2037) - 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	1.19	1.17	14.7	66.7	0.10	0.21	—	0.21	0.21	—	0.21	—	10,006	10,006	0.41	0.08	—	10,041
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.19	1.17	14.7	66.7	0.10	0.21	—	0.21	0.21	—	0.21	—	10,006	10,006	0.41	0.08	—	10,041
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.71	0.70	8.81	40.1	0.06	0.13	—	0.13	0.13	—	0.13	—	6,012	6,012	0.24	0.05	—	6,032
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.13	0.13	1.61	7.31	0.01	0.02	—	0.02	0.02	—	0.02	—	995	995	0.04	0.01	—	999
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.27	4.23	2.97	81.9	0.00	0.00	23.4	23.4	0.00	5.47	5.47	—	22,113	22,113	0.16	0.12	22.2	22,174
Vendor	0.41	0.33	8.76	3.82	0.09	0.17	3.19	3.36	0.17	0.91	1.08	—	8,862	8,862	0.14	1.19	9.15	9,228
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.80	3.72	2.97	46.4	0.00	0.00	23.4	23.4	0.00	5.47	5.47	—	18,889	18,889	0.20	0.12	0.58	18,929
Vendor	0.36	0.29	9.47	3.98	0.09	0.17	3.19	3.36	0.17	0.91	1.08	—	8,874	8,874	0.14	1.19	0.24	9,231
Hauling	0.00	0.00	0.00	0.00	0.00	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	2.38	2.35	1.76	34.6	0.00	0.00	14.0	14.0	0.00	3.27	3.27	—	12,112	12,112	0.09	0.07	5.77	12,142
Vendor	0.23	0.19	5.54	2.33	0.05	0.10	1.91	2.01	0.10	0.54	0.65	—	5,327	5,327	0.08	0.71	2.38	5,544

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.43	0.32	6.32	0.00	0.00	2.55	2.55	0.00	0.60	0.60	—	2,005	2,005	0.02	0.01	0.96	2,010
Vendor	0.04	0.03	1.01	0.43	0.01	0.02	0.35	0.37	0.02	0.10	0.12	—	882	882	0.01	0.12	0.39	918
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2036) - 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	1.26	1.06	11.2	19.6	0.03	0.27	—	0.27	0.25	—	0.25	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.17	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.19	0.16	1.65	2.87	< 0.005	0.04	—	0.04	0.04	—	0.04	—	443	443	0.02	< 0.005	—	445
Paving	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.30	0.52	< 0.005	0.01	—	0.01	0.01	—	0.01	—	73.4	73.4	< 0.005	< 0.005	—	73.7

Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.81	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	320	320	< 0.005	< 0.005	0.01	321
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	142	142	< 0.005	0.02	< 0.005	148
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.1	50.1	< 0.005	< 0.005	0.03	50.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.9	20.9	< 0.005	< 0.005	0.01	21.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	—	8.30	8.30	< 0.005	< 0.005	< 0.005	8.32
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.45	3.45	< 0.005	< 0.005	< 0.005	3.60
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2036) - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.17	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.57	3.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	443	443	0.02	< 0.005	—	445
Paving	0.17	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.10	0.57	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	73.4	73.4	< 0.005	< 0.005	—	73.7
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.06	0.81	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	320	320	< 0.005	< 0.005	0.01	321
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	142	142	< 0.005	0.02	< 0.005	148
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	50.1	50.1	< 0.005	< 0.005	0.03	50.3
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.9	20.9	< 0.005	< 0.005	0.01	21.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	—	8.30	8.30	< 0.005	< 0.005	< 0.005	8.32
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.45	3.45	< 0.005	< 0.005	< 0.005	3.60
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2037) - 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	1.22	1.03	11.0	19.5	0.03	0.25	—	0.25	0.23	—	0.23	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.17	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.22	1.03	11.0	19.5	0.03	0.25	—	0.25	0.23	—	0.23	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.17	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.87	0.73	7.85	14.0	0.02	0.18	—	0.18	0.16	—	0.16	—	2,158	2,158	0.09	0.02	—	2,165
Paving	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.16	0.13	1.43	2.55	< 0.005	0.03	—	0.03	0.03	—	0.03	—	357	357	0.01	< 0.005	—	359
Paving	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	1.38	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	371	371	< 0.005	< 0.005	0.37	372
Vendor	0.01	0.01	0.14	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	139	139	< 0.005	0.02	0.14	145
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.78	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	317	317	< 0.005	< 0.005	0.01	318
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	139	139	< 0.005	0.02	< 0.005	145
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.04	0.69	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	242	242	< 0.005	< 0.005	0.12	242
Vendor	< 0.005	< 0.005	0.10	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	99.2	99.2	< 0.005	0.01	0.04	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	40.0	40.0	< 0.005	< 0.005	0.02	40.1

Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	16.4	16.4	< 0.005	< 0.005	0.01	17.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2037) - 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.17	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.17	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.23	2.76	15.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,158	2,158	0.09	0.02	—	2,165
Paving	0.84	0.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.50	2.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	357	357	0.01	< 0.005	—	359
Paving	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	1.38	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	371	371	< 0.005	< 0.005	0.37	372
Vendor	0.01	0.01	0.14	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	139	139	< 0.005	0.02	0.14	145
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.78	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	317	317	< 0.005	< 0.005	0.01	318
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	139	139	< 0.005	0.02	< 0.005	145
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.04	0.69	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	242	242	< 0.005	< 0.005	0.12	242
Vendor	< 0.005	< 0.005	0.10	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	99.2	99.2	< 0.005	0.01	0.04	103
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.13	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	40.0	40.0	< 0.005	< 0.005	0.02	40.1
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	16.4	16.4	< 0.005	< 0.005	0.01	17.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Paving (2038) - 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	1.19	1.00	10.8	19.5	0.03	0.22	—	0.22	0.21	—	0.21	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.17	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.29	0.53	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	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	0.06	0.06	0.05	0.76	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	317	317	< 0.005	< 0.005	0.01	318
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	136	136	< 0.005	0.02	< 0.005	142
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.28	9.28	< 0.005	< 0.005	< 0.005	9.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.74	3.74	< 0.005	< 0.005	< 0.005	3.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.54
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.64
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Paving (2038) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.17	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.11	0.58	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	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	0.06	0.06	0.05	0.76	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	317	317	< 0.005	< 0.005	0.01	318
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	136	136	< 0.005	0.02	< 0.005	142
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.28	9.28	< 0.005	< 0.005	< 0.005	9.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.74	3.74	< 0.005	< 0.005	< 0.005	3.89
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.54
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.64
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Architectural Coating (2036) - 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	1.08	0.90	7.52	11.0	0.02	0.05	—	0.05	0.05	—	0.05	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	49.6	49.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.06	0.51	0.75	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	91.5	91.5	< 0.005	< 0.005	—	91.8
Architect ural Coatings	3.40	3.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.09	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.1	15.1	< 0.005	< 0.005	—	15.2
Architect ural Coatings	0.62	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.79	0.78	0.74	9.64	0.00	0.00	4.67	4.67	0.00	1.09	1.09	—	3,812	3,812	0.04	0.02	0.13	3,820
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	0.06	0.06	0.05	0.82	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	279	279	< 0.005	< 0.005	0.15	279
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	0.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	46.1	46.1	< 0.005	< 0.005	0.03	46.2
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

3.18. Architectural Coating (2036) - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	9.92	9.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.44	0.66	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	91.5	91.5	< 0.005	< 0.005	—	91.8
Architect ural Coatings	0.68	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.1	15.1	< 0.005	< 0.005	—	15.2
Architect ural Coatings	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.79	0.78	0.74	9.64	0.00	0.00	4.67	4.67	0.00	1.09	1.09	—	3,812	3,812	0.04	0.02	0.13	3,820

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	0.06	0.06	0.05	0.82	0.00	0.00	0.32	0.32	0.00	0.07	0.07	—	279	279	< 0.005	< 0.005	0.15	279
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	0.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	46.1	46.1	< 0.005	< 0.005	0.03	46.2
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

3.19. Architectural Coating (2037) - 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	1.07	0.89	7.48	10.9	0.02	0.05	—	0.05	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	49.6	49.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1.07	0.89	7.48	10.9	0.02	0.05	—	0.05	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340

Architect Coatings	49.6	49.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.77	0.63	5.34	7.81	0.01	0.03	—	0.03	0.03	—	0.03	—	954	954	0.04	0.01	—	957
Architect ural Coatings	35.4	35.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.14	0.12	0.97	1.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	158	158	0.01	< 0.005	—	158
Architect ural Coatings	6.47	6.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.85	0.85	0.59	16.4	0.00	0.00	4.67	4.67	0.00	1.09	1.09	—	4,423	4,423	0.03	0.02	4.44	4,435
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	0.76	0.74	0.59	9.28	0.00	0.00	4.67	4.67	0.00	1.09	1.09	—	3,778	3,778	0.04	0.02	0.12	3,786
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	0.57	0.56	0.42	8.23	0.00	0.00	3.32	3.32	0.00	0.78	0.78	—	2,880	2,880	0.02	0.02	1.37	2,887
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	0.10	0.10	0.08	1.50	0.00	0.00	0.61	0.61	0.00	0.14	0.14	—	477	477	< 0.005	< 0.005	0.23	478
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Architectural Coating (2037) - 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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	9.92	9.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340

Architect ural	9.92	9.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.15	0.15	4.61	6.88	0.01	0.02	—	0.02	0.02	—	0.02	—	954	954	0.04	0.01	—	957
Architect ural Coatings	7.09	7.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.84	1.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	158	158	0.01	< 0.005	—	158
Architect ural Coatings	1.29	1.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.85	0.85	0.59	16.4	0.00	0.00	4.67	4.67	0.00	1.09	1.09	—	4,423	4,423	0.03	0.02	4.44	4,435
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	0.76	0.74	0.59	9.28	0.00	0.00	4.67	4.67	0.00	1.09	1.09	—	3,778	3,778	0.04	0.02	0.12	3,786
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	0.57	0.56	0.42	8.23	0.00	0.00	3.32	3.32	0.00	0.78	0.78	—	2,880	2,880	0.02	0.02	1.37	2,887
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	0.10	0.10	0.08	1.50	0.00	0.00	0.61	0.61	0.00	0.14	0.14	—	477	477	< 0.005	< 0.005	0.23	478
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Architectural Coating (2038) - 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	1.07	0.89	7.45	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	49.6	49.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1.07	0.89	7.45	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340

Architect ural	49.6	49.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.25	0.21	1.75	2.56	< 0.005	0.01	—	0.01	0.01	—	0.01	—	314	314	0.01	< 0.005	—	315
Architect ural Coatings	11.6	11.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.32	0.47	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.9	51.9	< 0.005	< 0.005	—	52.1
Architect ural Coatings	2.13	2.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.83	0.82	0.59	16.0	0.00	0.00	4.67	4.67	0.00	1.09	1.09	—	4,424	4,424	0.03	0.02	3.88	4,436
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	0.74	0.73	0.59	9.07	0.00	0.00	4.67	4.67	0.00	1.09	1.09	—	3,779	3,779	0.03	0.02	0.10	3,787
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	0.18	0.17	0.14	2.66	0.00	0.00	1.09	1.09	0.00	0.26	0.26	—	947	947	0.01	0.01	0.39	950
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	0.03	0.03	0.02	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	157	157	< 0.005	< 0.005	0.06	157
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Architectural Coating (2038) - 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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	9.92	9.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340

Architect ural	9.92	9.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.52	2.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	314	314	0.01	< 0.005	—	315
Architect ural Coatings	2.33	2.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.28	0.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	51.9	51.9	< 0.005	< 0.005	—	52.1
Architect ural Coatings	0.43	0.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.83	0.82	0.59	16.0	0.00	0.00	4.67	4.67	0.00	1.09	1.09	—	4,424	4,424	0.03	0.02	3.88	4,436
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	0.74	0.73	0.59	9.07	0.00	0.00	4.67	4.67	0.00	1.09	1.09	—	3,779	3,779	0.03	0.02	0.10	3,787
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	0.18	0.17	0.14	2.66	0.00	0.00	1.09	1.09	0.00	0.26	0.26	—	947	947	0.01	0.01	0.39	950
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	0.03	0.03	0.02	0.49	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	157	157	< 0.005	< 0.005	0.06	157
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	70.9	64.2	74.0	847	2.47	1.32	241	242	1.24	61.2	62.4	—	252,111	252,111	6.13	9.89	178	255,390
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
Other Non-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

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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	70.9	64.2	74.0	847	2.47	1.32	241	242	1.24	61.2	62.4	—	252,111	252,111	6.13	9.89	178	255,390
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	62.3	55.8	80.5	562	2.19	1.32	241	242	1.24	61.2	62.4	—	223,913	223,913	6.29	10.2	4.62	227,103
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	62.3	55.8	80.5	562	2.19	1.32	241	242	1.24	61.2	62.4	—	223,913	223,913	6.29	10.2	4.62	227,103
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	11.8	10.6	14.1	119	0.42	0.24	43.8	44.0	0.23	11.1	11.3	—	38,913	38,913	1.02	1.65	12.7	39,443
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	11.8	10.6	14.1	119	0.42	0.24	43.8	44.0	0.23	11.1	11.3	—	38,913	38,913	1.02	1.65	12.7	39,443

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	70.9	64.2	74.0	847	2.47	1.32	241	242	1.24	61.2	62.4	—	252,111	252,111	6.13	9.89	178	255,390
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

Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	70.9	64.2	74.0	847	2.47	1.32	241	242	1.24	61.2	62.4	—	252,111	252,111	6.13	9.89	178	255,390
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	62.3	55.8	80.5	562	2.19	1.32	241	242	1.24	61.2	62.4	—	223,913	223,913	6.29	10.2	4.62	227,103
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	62.3	55.8	80.5	562	2.19	1.32	241	242	1.24	61.2	62.4	—	223,913	223,913	6.29	10.2	4.62	227,103

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	11.8	10.6	14.1	119	0.42	0.24	43.8	44.0	0.23	11.1	11.3	—	38,913	38,913	1.02	1.65	12.7	39,443
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	11.8	10.6	14.1	119	0.42	0.24	43.8	44.0	0.23	11.1	11.3	—	38,913	38,913	1.02	1.65	12.7	39,443

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	6,497	6,497	0.87	0.11	—	6,550

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3,144	3,144	0.42	0.05	—	3,170
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	7,766	7,766	1.04	0.13	—	7,830
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	7,576	7,576	1.01	0.12	—	7,638
Total	—	—	—	—	—	—	—	—	—	—	—	—	24,983	24,983	3.34	0.41	—	25,188
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	6,497	6,497	0.87	0.11	—	6,550
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3,144	3,144	0.42	0.05	—	3,170
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	7,766	7,766	1.04	0.13	—	7,830

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	7,576	7,576	1.01	0.12	—	7,638
Total	—	—	—	—	—	—	—	—	—	—	—	—	24,983	24,983	3.34	0.41	—	25,188
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	1,076	1,076	0.14	0.02	—	1,084
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	521	521	0.07	0.01	—	525
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,286	1,286	0.17	0.02	—	1,296
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,254	1,254	0.17	0.02	—	1,265
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,136	4,136	0.55	0.07	—	4,170

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,880	2,880	0.39	0.05	—	2,904
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3,144	3,144	0.42	0.05	—	3,170
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,546	3,546	0.47	0.06	—	3,575
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	3,097	3,097	0.41	0.05	—	3,122
Total	—	—	—	—	—	—	—	—	—	—	—	—	12,667	12,667	1.70	0.21	—	12,770
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,876	2,876	0.38	0.05	—	2,899
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3,144	3,144	0.42	0.05	—	3,170
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	3,508	3,508	0.47	0.06	—	3,537
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	3,082	3,082	0.41	0.05	—	3,107
Total	—	—	—	—	—	—	—	—	—	—	—	—	12,610	12,610	1.69	0.20	—	12,713
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	476	476	0.06	0.01	—	480
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	521	521	0.07	0.01	—	525
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	584	584	0.08	0.01	—	589
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	511	511	0.07	0.01	—	516
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,092	2,092	0.28	0.03	—	2,109

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	0.08	0.04	0.73	0.61	< 0.005	0.06	—	0.06	0.06	—	0.06	—	869	869	0.08	< 0.005	—	871
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.77	0.39	6.61	2.81	0.04	0.53	—	0.53	0.53	—	0.53	—	8,396	8,396	0.74	0.02	—	8,419
Regional Shopping Center	0.15	0.08	1.37	1.15	0.01	0.10	—	0.10	0.10	—	0.10	—	1,632	1,632	0.14	< 0.005	—	1,637
Total	1.00	0.50	8.71	4.58	0.05	0.69	—	0.69	0.69	—	0.69	—	10,897	10,897	0.96	0.02	—	10,927
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.08	0.04	0.73	0.61	< 0.005	0.06	—	0.06	0.06	—	0.06	—	869	869	0.08	< 0.005	—	871
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Apartments	0.77	0.39	6.61	2.81	0.04	0.53	—	0.53	0.53	—	0.53	—	8,396	8,396	0.74	0.02	—	8,419
Regional Shopping Center	0.15	0.08	1.37	1.15	0.01	0.10	—	0.10	0.10	—	0.10	—	1,632	1,632	0.14	< 0.005	—	1,637
Total	1.00	0.50	8.71	4.58	0.05	0.69	—	0.69	0.69	—	0.69	—	10,897	10,897	0.96	0.02	—	10,927
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	144	144	0.01	< 0.005	—	144
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.14	0.07	1.21	0.51	0.01	0.10	—	0.10	0.10	—	0.10	—	1,390	1,390	0.12	< 0.005	—	1,394
Regional Shopping Center	0.03	0.01	0.25	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	270	270	0.02	< 0.005	—	271
Total	0.18	0.09	1.59	0.84	0.01	0.13	—	0.13	0.13	—	0.13	—	1,804	1,804	0.16	< 0.005	—	1,809

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	0.07	0.04	0.67	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	800	800	0.07	< 0.005	—	802
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.59	0.29	5.02	2.14	0.03	0.41	—	0.41	0.41	—	0.41	—	6,376	6,376	0.56	0.01	—	6,394
Regional Shopping Center	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
Total	0.80	0.40	6.98	3.78	0.04	0.56	—	0.56	0.56	—	0.56	—	8,715	8,715	0.77	0.02	—	8,739
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.07	0.04	0.67	0.56	< 0.005	0.05	—	0.05	0.05	—	0.05	—	800	800	0.07	< 0.005	—	802
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Apartments	0.59	0.29	5.02	2.14	0.03	0.41	—	0.41	0.41	—	0.41	—	6,376	6,376	0.56	0.01	—	6,394
Regional Shopping Center	0.14	0.07	1.29	1.08	0.01	0.10	—	0.10	0.10	—	0.10	—	1,538	1,538	0.14	< 0.005	—	1,543
Total	0.80	0.40	6.98	3.78	0.04	0.56	—	0.56	0.56	—	0.56	—	8,715	8,715	0.77	0.02	—	8,739
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	0.01	0.12	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	132	132	0.01	< 0.005	—	133
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.11	0.05	0.92	0.39	0.01	0.07	—	0.07	0.07	—	0.07	—	1,056	1,056	0.09	< 0.005	—	1,059
Regional Shopping Center	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	255	255	0.02	< 0.005	—	255
Total	0.15	0.07	1.27	0.69	0.01	0.10	—	0.10	0.10	—	0.10	—	1,443	1,443	0.13	< 0.005	—	1,447

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	3.35	1.68	28.7	12.2	0.18	2.32	—	2.32	2.32	—	2.32	0.00	36,368	36,368	0.68	0.07	—	36,405
Consumer Products	65.2	65.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.06	5.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	18.4	17.2	1.43	160	0.01	0.13	—	0.13	0.10	—	0.10	—	489	489	0.02	< 0.005	—	491
Total	92.0	89.2	30.1	172	0.19	2.45	—	2.45	2.41	—	2.41	0.00	36,857	36,857	0.71	0.07	—	36,896
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	3.35	1.68	28.7	12.2	0.18	2.32	—	2.32	2.32	—	2.32	0.00	36,368	36,368	0.68	0.07	—	36,405
Consumer Products	65.2	65.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.06	5.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	73.6	72.0	28.7	12.2	0.18	2.32	—	2.32	2.32	—	2.32	0.00	36,368	36,368	0.68	0.07	—	36,405
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.04	0.02	0.36	0.15	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	412	412	0.01	< 0.005	—	413
Consumer Products	11.9	11.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.92	0.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	1.66	1.55	0.13	14.4	< 0.005	0.01	—	0.01	0.01	—	0.01	—	39.9	39.9	< 0.005	< 0.005	—	40.1
Total	14.5	14.4	0.49	14.5	< 0.005	0.04	—	0.04	0.04	—	0.04	0.00	452	452	0.01	< 0.005	—	453

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	3.35	1.68	28.7	12.2	0.18	2.32	—	2.32	2.32	—	2.32	0.00	36,368	36,368	0.68	0.07	—	36,405
Consumer Products	60.5	60.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.01	1.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	64.8	63.2	28.7	12.2	0.18	2.32	—	2.32	2.32	—	2.32	0.00	36,368	36,368	0.68	0.07	—	36,405
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	3.35	1.68	28.7	12.2	0.18	2.32	—	2.32	2.32	—	2.32	0.00	36,368	36,368	0.68	0.07	—	36,405
Consumer Products	60.5	60.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.01	1.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	64.8	63.2	28.7	12.2	0.18	2.32	—	2.32	2.32	—	2.32	0.00	36,368	36,368	0.68	0.07	—	36,405
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.04	0.02	0.36	0.15	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	412	412	0.01	< 0.005	—	413

Consumer	11.0	11.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	11.3	11.2	0.36	0.15	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	412	412	0.01	< 0.005	—	413

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	86.1	144	230	8.85	0.21	—	515
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	151	151	0.02	< 0.005	—	152
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	158	264	423	16.3	0.39	—	946
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	108	180	288	11.1	0.27	—	643

Total	—	—	—	—	—	—	—	—	—	—	—	352	739	1,092	36.2	0.87	—	2,256
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	86.1	144	230	8.85	0.21	—	515
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	151	151	0.02	< 0.005	—	152
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	158	264	423	16.3	0.39	—	946
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	108	180	288	11.1	0.27	—	643
Total	—	—	—	—	—	—	—	—	—	—	—	352	739	1,092	36.2	0.87	—	2,256
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	14.3	23.8	38.1	1.47	0.04	—	85.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	25.0	25.0	< 0.005	< 0.005	—	25.2
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	26.2	43.8	70.0	2.69	0.06	—	157
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	17.8	29.8	47.6	1.83	0.04	—	107
Total	—	—	—	—	—	—	—	—	—	—	—	58.3	122	181	6.00	0.14	—	374

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	86.1	144	230	8.85	0.21	—	515
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	151	151	0.02	< 0.005	—	152
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	158	264	423	16.3	0.39	—	946
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	108	180	288	11.1	0.27	—	643

Total	—	—	—	—	—	—	—	—	—	—	—	352	739	1,092	36.2	0.87	—	2,256
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	86.1	144	230	8.85	0.21	—	515
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	151	151	0.02	< 0.005	—	152
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	158	264	423	16.3	0.39	—	946
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	108	180	288	11.1	0.27	—	643
Total	—	—	—	—	—	—	—	—	—	—	—	352	739	1,092	36.2	0.87	—	2,256
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	14.3	23.8	38.1	1.47	0.04	—	85.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	25.0	25.0	< 0.005	< 0.005	—	25.2
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	26.2	43.8	70.0	2.69	0.06	—	157
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	17.8	29.8	47.6	1.83	0.04	—	107
Total	—	—	—	—	—	—	—	—	—	—	—	58.3	122	181	6.00	0.14	—	374

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	127	0.00	127	12.7	0.00	—	444
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	1.78	0.00	1.78	0.18	0.00	—	6.21
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	810	0.00	810	80.9	0.00	—	2,833

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	429	0.00	429	42.9	0.00	—	1,502
Total	—	—	—	—	—	—	—	—	—	—	—	1,368	0.00	1,368	137	0.00	—	4,785
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	127	0.00	127	12.7	0.00	—	444
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	1.78	0.00	1.78	0.18	0.00	—	6.21
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	810	0.00	810	80.9	0.00	—	2,833
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	429	0.00	429	42.9	0.00	—	1,502
Total	—	—	—	—	—	—	—	—	—	—	—	1,368	0.00	1,368	137	0.00	—	4,785
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	21.0	0.00	21.0	2.10	0.00	—	73.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.29	0.00	0.29	0.03	0.00	—	1.03
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	134	0.00	134	13.4	0.00	—	469
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	71.1	0.00	71.1	7.11	0.00	—	249
Total	—	—	—	—	—	—	—	—	—	—	—	226	0.00	226	22.6	0.00	—	792

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	31.7	0.00	31.7	3.17	0.00	—	111
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.44	0.00	0.44	0.04	0.00	—	1.55

Apartme nts	—	—	—	—	—	—	—	—	—	—	—	202	0.00	202	20.2	0.00	—	708
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	107	0.00	107	10.7	0.00	—	376
Total	—	—	—	—	—	—	—	—	—	—	—	342	0.00	342	34.2	0.00	—	1,196
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	31.7	0.00	31.7	3.17	0.00	—	111
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.44	0.00	0.44	0.04	0.00	—	1.55
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	202	0.00	202	20.2	0.00	—	708
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	107	0.00	107	10.7	0.00	—	376
Total	—	—	—	—	—	—	—	—	—	—	—	342	0.00	342	34.2	0.00	—	1,196
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.25	0.00	5.25	0.52	0.00	—	18.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.07	0.00	0.07	0.01	0.00	—	0.26
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	33.5	0.00	33.5	3.35	0.00	—	117
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	17.8	0.00	17.8	1.78	0.00	—	62.2
Total	—	—	—	—	—	—	—	—	—	—	—	56.6	0.00	56.6	5.66	0.00	—	198

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.62	0.62
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.0	14.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.64	3.64
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.2	18.2

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.62	0.62
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.0	14.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.64	3.64
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.2	18.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.31	2.31
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.02	3.02

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.62	0.62
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.0	14.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.64	3.64
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.2	18.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.62	0.62
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14.0	14.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.64	3.64
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18.2	18.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.31	2.31
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.60	0.60
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.02	3.02

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1/1/2035	4/13/2035	5.00	75.0	—
Grading	Grading	4/14/2035	10/16/2035	5.00	132	—
Building Construction	Building Construction	10/17/2035	11/3/2037	5.00	535	—
Paving	Paving	10/18/2036	1/14/2038	5.00	324	—
Architectural Coating	Architectural Coating	11/27/2036	4/30/2038	5.00	372	—

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	6.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	15.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	15.0	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	10.0	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	4.00	8.00	89.0	0.36

Paving	Rollers	Diesel	Average	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	10.0	6.00	37.0	0.48

5.2.2. Mitigated

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	6.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	8.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	15.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	15.0	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	10.0	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	10.0	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	35.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	7.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,787	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	383	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	6.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	357	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	35.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	7.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,787	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	383	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	6.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	357	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	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	3,950,208	1,316,736	1,517,565	505,855	669,186

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	225	0.00	—
Grading	0.00	0.00	792	0.00	—
Paving	0.00	0.00	0.00	0.00	256

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Office Building	0.00	0%
Other Asphalt Surfaces	23.3	100%
Other Non-Asphalt Surfaces	111	0%
Parking Lot	122	100%
City Park	0.00	0%

Apartments Mid Rise	—	0%
Regional Shopping Center	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2035	0.00	247	0.03	< 0.005
2036	0.00	247	0.03	< 0.005
2037	0.00	247	0.03	< 0.005
2038	0.00	247	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	24,071	24,071	24,071	8,785,915	340,715	340,715	340,715	124,360,975
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	24,071	24,071	24,071	8,785,915	340,715	340,715	340,715	124,360,975
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	1727
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	203
Conventional Wood Stoves	0
Catalytic Wood Stoves	102
Non-Catalytic Wood Stoves	102
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	1727
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	203
Conventional Wood Stoves	0
Catalytic Wood Stoves	102
Non-Catalytic Wood Stoves	102
Pellet Wood Stoves	0

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)
3950208	1,316,736	1,517,565	505,855	669,186

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00

Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	9,619,551	247	0.0330	0.0040	2,710,503
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Parking Lot	4,655,344	247	0.0330	0.0040	0.00
City Park	0.00	247	0.0330	0.0040	0.00
Apartments Mid Rise	11,499,411	247	0.0330	0.0040	26,198,195
Regional Shopping Center	11,217,849	247	0.0330	0.0040	5,093,514

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)
General Office Building	4,257,977	247	0.0330	0.0040	2,496,959
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Parking Lot	4,655,344	247	0.0330	0.0040	0.00
City Park	0.00	247	0.0330	0.0040	0.00
Apartments Mid Rise	5,194,517	247	0.0330	0.0040	19,895,064
Regional Shopping Center	4,563,676	247	0.0330	0.0040	4,799,806

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	44,954,197	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
City Park	0.00	69,572,388
Apartments Mid Rise	82,649,111	0.00
Regional Shopping Center	56,204,748	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	44,954,197	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
City Park	0.00	69,572,388
Apartments Mid Rise	82,649,111	0.00
Regional Shopping Center	56,204,748	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	235	—
Other Asphalt Surfaces	0.00	—

Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
City Park	3.29	—
Apartments Mid Rise	1,503	—
Regional Shopping Center	797	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	58.8	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
City Park	0.82	—
Apartments Mid Rise	376	—
Regional Shopping Center	199	—

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
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.5	annual days of extreme heat
Extreme Precipitation	0.85	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.15	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 $\frac{3}{4}$ 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	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	51.0
AQ-PM	9.06
AQ-DPM	1.39
Drinking Water	64.7
Lead Risk Housing	43.7
Pesticides	50.2
Toxic Releases	4.91
Traffic	12.8
Effect Indicators	—
CleanUp Sites	84.8
Groundwater	56.1
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	23.9
Solid Waste	99.2

Sensitive Population	—
Asthma	72.9
Cardio-vascular	94.2
Low Birth Weights	17.2
Socioeconomic Factor Indicators	—
Education	70.7
Housing	15.9
Linguistic	35.3
Poverty	80.1
Unemployment	—

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	15.27011421
Employed	36.37880149
Median HI	20.15911716
Education	—
Bachelor's or higher	26.78044399
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	82.44578468
Active commuting	45.97715899
Social	—
2-parent households	20.59540613

Voting	44.10368279
Neighborhood	—
Alcohol availability	97.0101373
Park access	19.59450789
Retail density	0.872577955
Supermarket access	6.351854228
Tree canopy	0.346464776
Housing	—
Homeownership	79.96920313
Housing habitability	86.07724881
Low-inc homeowner severe housing cost burden	66.38008469
Low-inc renter severe housing cost burden	98.0366996
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	4.067753112
Arthritis	0.0
Asthma ER Admissions	24.0
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	2.5
Cognitively Disabled	18.3
Physically Disabled	14.9
Heart Attack ER Admissions	20.2

Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	99.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	22.0
Elderly	16.0
English Speaking	46.5
Foreign-born	48.2
Outdoor Workers	5.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	91.8
Traffic Density	7.9
Traffic Access	23.0
Other Indices	—
Hardship	76.6
Other Decision Support	—
2016 Voting	47.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	57.0
Healthy Places Index Score for Project Location (b)	20.0
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
Characteristics: Project Details	Changed Locational Context from NA to Suburban to allow mitigation measures to be implemented in model. Input Start of Construction Based on schedule. No other changes made.
Construction: Construction Phases	Construction duration updated based on schedule. This shorter construction schedule is more conservative because more emissions are generated per day. Revised schedule is consistent with TIA.
Construction: Off-Road Equipment	Increased construction equipment assumptions based on similar projects.
Construction: Architectural Coatings	SCAQMD Rule 1113 limits VOC in paint to 50 g/L
Operations: Hearths	SCAQMD Rule 445 prohibits the installation of permanent wood-burning devices in any new residential development.

Operations: Architectural Coatings	SCAQMD Rule 1113 limits VOC in paint to 50 g/L
Operations: Refrigerants	City Park land use used to model open space, therefore refrigeration has been removed.
Operations: Vehicle Data	Total Phase 4 trips calculated with General Office Building land use. TIA shows trip generation = 24,071 and VMT = 340,715 therefore trip length = 15.1548435 and annual VMT = 124,360,975

KPC Coachella Phase 5 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	KPC Coachella Phase 5
Construction Start Date	5/1/2038
Operational Year	2041
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.70966130208096, -116.11204429289228
County	Riverside-Salton Sea
City	Coachella
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5680
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.24

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

General Office Building	21.0	1000sqft	0.48	20,980	0.00	—	—	—
Elementary School	1,544	Student	2.96	129,084	0.00	0.00	—	—
Other Asphalt Surfaces	48.3	Acre	48.3	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	153	Acre	153	0.00	0.00	—	—	—
Parking Lot	122	Acre	122	0.00	-1.00	—	—	—
City Park	102	Acre	102	0.00	4,443,120	4,443,120	—	—
Apartments Low Rise	1,331	Dwelling Unit	43.2	1,410,860	0.00	—	4,299	—
Apartments Mid Rise	38.0	Dwelling Unit	1.00	36,480	0.00	—	123	—
Condo/Townhouse	1,456	Dwelling Unit	91.0	1,543,360	0.00	—	4,703	—
Single Family Housing	650	Dwelling Unit	211	1,267,500	0.00	—	2,100	—
Regional Shopping Center	62.9	1000sqft	1.44	62,930	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-9	Use Dust Suppressants
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Construction	C-13	Use Low-VOC Paints for Construction
Transportation	T-5	Implement Commute Trip Reduction Program (Voluntary)
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards

Energy	E-2	Require Energy Efficient Appliances
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Energy	E-12-B	Install Electric Space Heater in Place of Natural Gas Heaters in Residences
Energy	E-13	Install Electric Ranges in Place of Gas Ranges
Waste	S-1/S-2	Implement Waste Reduction Plan
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

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.	79.0	77.7	64.8	216	0.24	1.23	40.8	41.7	1.13	20.3	21.5	—	58,264	58,264	0.83	1.58	28.8	58,785
Mit.	22.7	22.4	39.8	222	0.24	0.51	40.8	41.3	0.41	9.70	10.1	—	58,264	58,264	0.83	1.58	28.8	58,785
% Reduced	71%	71%	39%	-3%	—	59%	—	1%	64%	52%	53%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	78.3	75.9	65.5	163	0.24	1.03	40.8	41.7	0.95	9.70	10.5	—	53,211	53,211	0.89	1.58	0.86	53,705
Mit.	22.0	20.6	40.5	169	0.24	0.51	40.8	41.3	0.41	9.70	10.1	—	53,211	53,211	0.89	1.58	0.86	53,705

% Reduced	72%	73%	38%	-4%	—	51%	—	1%	57%	—	3%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	56.0	54.2	45.7	128	0.17	0.63	29.0	29.6	0.53	6.90	7.43	—	39,234	39,234	0.63	1.13	8.86	39,595
Mit.	15.7	14.7	28.4	132	0.17	0.36	29.0	29.4	0.29	6.90	7.19	—	39,234	39,234	0.63	1.13	8.86	39,595
% Reduced	72%	73%	38%	-3%	—	43%	—	1%	45%	—	3%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.2	9.90	8.34	23.4	0.03	0.12	5.29	5.41	0.10	1.26	1.36	—	6,496	6,496	0.10	0.19	1.47	6,555
Mit.	2.87	2.68	5.18	24.1	0.03	0.07	5.29	5.36	0.05	1.26	1.31	—	6,496	6,496	0.10	0.19	1.47	6,555
% Reduced	72%	73%	38%	-3%	—	43%	—	1%	45%	—	3%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	5.39	4.54	33.2	46.0	0.12	1.23	39.8	41.1	1.13	20.3	21.5	—	13,478	13,478	0.53	0.13	0.50	13,529
2039	10.0	9.15	46.3	168	0.19	0.67	34.2	34.9	0.54	8.16	8.70	—	48,038	48,038	0.71	1.50	28.8	48,531
2040	79.0	77.7	64.8	216	0.24	0.91	40.8	41.7	0.76	9.70	10.5	—	58,264	58,264	0.83	1.58	28.7	58,785
2041	69.1	68.5	18.5	50.9	0.05	0.24	6.58	6.82	0.22	1.54	1.76	—	10,534	10,534	0.21	0.08	3.55	10,568
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	5.07	4.27	27.4	45.3	0.12	1.03	18.9	19.9	0.95	7.43	8.38	—	13,415	13,415	0.53	0.13	0.01	13,466
2039	76.0	73.7	55.1	146	0.21	0.98	40.3	41.0	0.90	9.60	10.2	—	50,112	50,112	0.86	1.54	0.86	50,593
2040	78.3	75.9	65.5	163	0.24	0.91	40.8	41.7	0.76	9.70	10.5	—	53,211	53,211	0.89	1.58	0.74	53,705
2041	78.2	75.8	65.0	162	0.24	0.88	40.8	41.6	0.73	9.70	10.4	—	52,899	52,899	0.89	1.58	0.64	53,393
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	2.50	2.10	14.3	21.1	0.05	0.54	13.4	13.9	0.49	6.21	6.70	—	5,968	5,968	0.23	0.06	0.10	5,991
2039	10.7	10.1	32.0	91.9	0.13	0.51	23.3	23.8	0.42	5.83	6.25	—	30,038	30,038	0.53	0.95	7.89	30,342
2040	56.0	54.2	45.7	128	0.17	0.63	29.0	29.6	0.53	6.90	7.43	—	39,234	39,234	0.63	1.13	8.86	39,595
2041	33.3	32.8	12.2	33.6	0.04	0.15	7.27	7.42	0.13	1.72	1.85	—	9,618	9,618	0.15	0.22	1.83	9,689
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	0.46	0.38	2.62	3.84	0.01	0.10	2.44	2.54	0.09	1.13	1.22	—	988	988	0.04	0.01	0.02	992
2039	1.96	1.84	5.84	16.8	0.02	0.09	4.26	4.35	0.08	1.06	1.14	—	4,973	4,973	0.09	0.16	1.31	5,024
2040	10.2	9.90	8.34	23.4	0.03	0.12	5.29	5.41	0.10	1.26	1.36	—	6,496	6,496	0.10	0.19	1.47	6,555
2041	6.08	5.99	2.22	6.14	0.01	0.03	1.33	1.35	0.02	0.31	0.34	—	1,592	1,592	0.02	0.04	0.30	1,604

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	1.32	1.32	7.72	70.3	0.12	0.25	15.8	16.0	0.24	8.00	8.20	—	13,478	13,478	0.53	0.13	0.50	13,529
2039	6.94	6.77	28.6	173	0.19	0.43	34.2	34.6	0.33	8.16	8.49	—	48,038	48,038	0.71	1.50	28.8	48,531
2040	22.7	22.4	39.8	222	0.24	0.51	40.8	41.3	0.41	9.70	10.1	—	58,264	58,264	0.83	1.58	28.7	58,785
2041	15.8	15.6	11.0	51.3	0.05	0.08	6.58	6.66	0.08	1.54	1.62	—	10,534	10,534	0.21	0.08	3.55	10,568
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	1.31	1.31	7.73	69.7	0.12	0.25	7.69	7.93	0.24	2.97	3.22	—	13,415	13,415	0.53	0.13	0.01	13,466
2039	20.5	19.1	36.5	150	0.21	0.45	40.3	40.8	0.35	9.60	9.95	—	50,112	50,112	0.86	1.54	0.86	50,593
2040	22.0	20.6	40.5	169	0.24	0.51	40.8	41.3	0.41	9.70	10.1	—	53,211	53,211	0.89	1.58	0.74	53,705
2041	21.9	20.5	40.3	168	0.24	0.51	40.8	41.3	0.41	9.70	10.1	—	52,899	52,899	0.89	1.58	0.64	53,393
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	0.58	0.58	3.22	31.0	0.05	0.11	5.36	5.47	0.11	2.46	2.57	—	5,968	5,968	0.23	0.06	0.10	5,991
2039	5.12	4.98	19.3	97.5	0.13	0.29	22.3	22.6	0.23	5.43	5.66	—	30,038	30,038	0.53	0.95	7.89	30,342
2040	15.7	14.7	28.4	132	0.17	0.36	29.0	29.4	0.29	6.90	7.19	—	39,234	39,234	0.63	1.13	8.86	39,595
2041	7.86	7.62	7.85	34.2	0.04	0.08	7.27	7.35	0.07	1.72	1.79	—	9,618	9,618	0.15	0.22	1.83	9,689
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	0.11	0.11	0.59	5.66	0.01	0.02	0.98	1.00	0.02	0.45	0.47	—	988	988	0.04	0.01	0.02	992
2039	0.93	0.91	3.51	17.8	0.02	0.05	4.07	4.13	0.04	0.99	1.03	—	4,973	4,973	0.09	0.16	1.31	5,024
2040	2.87	2.68	5.18	24.1	0.03	0.07	5.29	5.36	0.05	1.26	1.31	—	6,496	6,496	0.10	0.19	1.47	6,555
2041	1.44	1.39	1.43	6.24	0.01	0.01	1.33	1.34	0.01	0.31	0.33	—	1,592	1,592	0.02	0.04	0.30	1,604

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.	214	202	152	1,145	3.11	7.06	263	270	6.95	66.8	73.7	1,943	383,725	385,669	208	12.1	154	394,644
Mit.	180	169	145	936	3.07	6.58	263	270	6.50	66.8	73.3	706	367,192	367,899	82.7	12.0	154	373,682
% Reduced	16%	16%	4%	18%	1%	7%	—	< 0.5%	7%	—	1%	64%	4%	5%	60%	1%	—	5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	185	174	157	638	2.80	6.95	263	270	6.88	66.8	73.6	1,943	352,917	354,861	208	12.4	34.5	363,804
Mit.	171	160	152	636	2.77	6.58	263	270	6.50	66.8	73.3	706	336,881	337,588	82.9	12.2	34.5	343,341
% Reduced	8%	8%	3%	< 0.5%	1%	5%	—	< 0.5%	5%	—	1%	64%	5%	5%	60%	1%	—	6%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	192	183	109	816	2.63	3.31	262	265	3.22	66.4	69.7	1,943	307,190	309,134	207	12.1	84.4	318,003
Mit.	168	160	103	712	2.60	2.89	262	265	2.81	66.4	69.2	706	290,909	291,616	81.6	11.9	84.4	297,294
% Reduced	12%	13%	5%	13%	1%	13%	—	< 0.5%	13%	—	1%	64%	5%	6%	61%	1%	—	7%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	35.0	33.4	19.8	149	0.48	0.60	47.8	48.4	0.59	12.1	12.7	322	50,859	51,181	34.3	2.00	14.0	52,649
Mit.	30.6	29.2	18.8	130	0.47	0.53	47.8	48.3	0.51	12.1	12.6	117	48,163	48,280	13.5	1.97	14.0	49,220
% Reduced	12%	13%	5%	13%	1%	13%	—	< 0.5%	13%	—	1%	64%	5%	6%	61%	1%	—	7%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—

Unmit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	Yes	—	—	—	—	—	—	—
Mit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	Yes	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	Yes	—	—	—	—	—	—	—
Mit.	—	Yes	Yes	Yes	No	—	—	Yes	—	—	Yes	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,000
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes
Mit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes

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	78.4	71.5	81.0	908	2.66	1.38	263	265	1.30	66.8	68.1	—	271,174	271,174	6.49	10.9	123	274,693
Area	133	129	50.9	228	0.32	4.07	—	4.07	4.04	—	4.04	0.00	62,759	62,759	1.19	0.12	—	62,825
Energy	2.34	1.17	20.0	8.80	0.13	1.62	—	1.62	1.62	—	1.62	—	48,898	48,898	5.40	0.43	—	49,161
Water	—	—	—	—	—	—	—	—	—	—	—	294	894	1,188	30.3	0.73	—	2,163
Waste	—	—	—	—	—	—	—	—	—	—	—	1,649	0.00	1,649	165	0.00	—	5,771
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.3	31.3
Total	214	202	152	1,145	3.11	7.06	263	270	6.95	66.8	73.7	1,943	383,725	385,669	208	12.1	154	394,644

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	69.4	62.7	87.9	609	2.36	1.38	263	265	1.30	66.8	68.1	—	240,931	240,931	6.69	11.1	3.18	244,421
Area	113	110	49.0	20.8	0.31	3.96	—	3.96	3.96	—	3.96	0.00	62,194	62,194	1.17	0.12	—	62,258
Energy	2.34	1.17	20.0	8.80	0.13	1.62	—	1.62	1.62	—	1.62	—	48,898	48,898	5.40	0.43	—	49,161
Water	—	—	—	—	—	—	—	—	—	—	—	294	894	1,188	30.3	0.73	—	2,163
Waste	—	—	—	—	—	—	—	—	—	—	—	1,649	0.00	1,649	165	0.00	—	5,771
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.3	31.3
Total	185	174	157	638	2.80	6.95	263	270	6.88	66.8	73.6	1,943	352,917	354,861	208	12.4	34.5	363,804
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	71.7	64.9	84.5	704	2.48	1.38	262	263	1.30	66.4	67.7	—	252,860	252,860	6.53	10.9	53.0	256,334
Area	118	117	4.29	104	0.03	0.32	—	0.32	0.31	—	0.31	0.00	4,539	4,539	0.09	0.01	—	4,544
Energy	2.34	1.17	20.0	8.80	0.13	1.62	—	1.62	1.62	—	1.62	—	48,898	48,898	5.40	0.43	—	49,161
Water	—	—	—	—	—	—	—	—	—	—	—	294	894	1,188	30.3	0.73	—	2,163
Waste	—	—	—	—	—	—	—	—	—	—	—	1,649	0.00	1,649	165	0.00	—	5,771
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.3	31.3
Total	192	183	109	816	2.63	3.31	262	265	3.22	66.4	69.7	1,943	307,190	309,134	207	12.1	84.4	318,003
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.1	11.8	15.4	128	0.45	0.25	47.8	48.0	0.24	12.1	12.4	—	41,864	41,864	1.08	1.81	8.78	42,439
Area	21.5	21.3	0.78	18.9	< 0.005	0.06	—	0.06	0.06	—	0.06	0.00	751	751	0.02	< 0.005	—	752
Energy	0.43	0.21	3.65	1.61	0.02	0.29	—	0.29	0.29	—	0.29	—	8,096	8,096	0.89	0.07	—	8,139
Water	—	—	—	—	—	—	—	—	—	—	—	48.7	148	197	5.01	0.12	—	358
Waste	—	—	—	—	—	—	—	—	—	—	—	273	0.00	273	27.3	0.00	—	955
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.19	5.19
Total	35.0	33.4	19.8	149	0.48	0.60	47.8	48.4	0.59	12.1	12.7	322	50,859	51,181	34.3	2.00	14.0	52,649

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	78.4	71.5	81.0	908	2.66	1.38	263	265	1.30	66.8	68.1	—	271,174	271,174	6.49	10.9	123	274,693
Area	99.5	96.7	49.0	20.8	0.31	3.96	—	3.96	3.96	—	3.96	0.00	62,194	62,194	1.17	0.12	—	62,258
Energy	1.80	0.90	15.4	6.82	0.10	1.24	—	1.24	1.24	—	1.24	—	32,931	32,931	3.52	0.25	—	33,095
Water	—	—	—	—	—	—	—	—	—	—	—	294	894	1,188	30.3	0.73	—	2,163
Waste	—	—	—	—	—	—	—	—	—	—	—	412	0.00	412	41.2	0.00	—	1,443
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.3	31.3
Total	180	169	145	936	3.07	6.58	263	270	6.50	66.8	73.3	706	367,192	367,899	82.7	12.0	154	373,682
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	69.4	62.7	87.9	609	2.36	1.38	263	265	1.30	66.8	68.1	—	240,931	240,931	6.69	11.1	3.18	244,421
Area	99.5	96.7	49.0	20.8	0.31	3.96	—	3.96	3.96	—	3.96	0.00	62,194	62,194	1.17	0.12	—	62,258
Energy	1.80	0.90	15.4	6.82	0.10	1.24	—	1.24	1.24	—	1.24	—	32,862	32,862	3.52	0.25	—	33,026
Water	—	—	—	—	—	—	—	—	—	—	—	294	894	1,188	30.3	0.73	—	2,163
Waste	—	—	—	—	—	—	—	—	—	—	—	412	0.00	412	41.2	0.00	—	1,443
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.3	31.3
Total	171	160	152	636	2.77	6.58	263	270	6.50	66.8	73.3	706	336,881	337,588	82.9	12.2	34.5	343,341
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	71.7	64.9	84.5	704	2.48	1.38	262	263	1.30	66.4	67.7	—	252,860	252,860	6.53	10.9	53.0	256,334
Area	94.2	94.0	3.36	1.43	0.02	0.27	—	0.27	0.27	—	0.27	0.00	4,260	4,260	0.08	0.01	—	4,264
Energy	1.80	0.90	15.4	6.82	0.10	1.24	—	1.24	1.24	—	1.24	—	32,896	32,896	3.52	0.25	—	33,060
Water	—	—	—	—	—	—	—	—	—	—	—	294	894	1,188	30.3	0.73	—	2,163

Waste	—	—	—	—	—	—	—	—	—	—	—	412	0.00	412	41.2	0.00	—	1,443
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.3	31.3
Total	168	160	103	712	2.60	2.89	262	265	2.81	66.4	69.2	706	290,909	291,616	81.6	11.9	84.4	297,294
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.1	11.8	15.4	128	0.45	0.25	47.8	48.0	0.24	12.1	12.4	—	41,864	41,864	1.08	1.81	8.78	42,439
Area	17.2	17.2	0.61	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	705	705	0.01	< 0.005	—	706
Energy	0.33	0.16	2.81	1.25	0.02	0.23	—	0.23	0.23	—	0.23	—	5,446	5,446	0.58	0.04	—	5,473
Water	—	—	—	—	—	—	—	—	—	—	—	48.7	148	197	5.01	0.12	—	358
Waste	—	—	—	—	—	—	—	—	—	—	—	68.3	0.00	68.3	6.82	0.00	—	239
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.19	5.19
Total	30.6	29.2	18.8	130	0.47	0.53	47.8	48.3	0.51	12.1	12.6	117	48,163	48,280	13.5	1.97	14.0	49,220

3. Construction Emissions Details

3.1. Site Preparation (2038) - 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	5.31	4.46	33.0	40.6	0.10	1.23	—	1.23	1.13	—	1.13	—	10,592	10,592	0.43	0.09	—	10,628
Dust From Material Movement	—	—	—	—	—	—	39.3	39.3	—	20.2	20.2	—	—	—	—	—	—	—
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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.09	0.92	6.78	8.35	0.02	0.25	—	0.25	0.23	—	0.23	—	2,176	2,176	0.09	0.02	—	2,184
Dust From Material Movement	—	—	—	—	—	—	8.08	8.08	—	4.15	4.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.17	1.24	1.52	< 0.005	0.05	—	0.05	0.04	—	0.04	—	360	360	0.01	< 0.005	—	362
Dust From Material Movement	—	—	—	—	—	—	1.47	1.47	—	0.76	0.76	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.08	0.08	0.06	1.57	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	433	433	< 0.005	< 0.005	0.38	434
Vendor	0.01	0.01	0.14	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	136	136	< 0.005	0.02	0.12	142
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.02	0.01	0.01	0.23	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	81.2	81.2	< 0.005	< 0.005	0.03	81.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	0.01	29.2
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	0.01	13.5
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.64	4.64	< 0.005	< 0.005	< 0.005	4.83
Hauling	0.00	0.00	0.00	0.00	0.00	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. Site Preparation (2038) - 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	1.00	1.00	5.18	56.6	0.10	0.20	—	0.20	0.20	—	0.20	—	10,592	10,592	0.43	0.09	—	10,628
Dust From Material Movement	—	—	—	—	—	—	15.3	15.3	—	7.88	7.88	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.06	11.6	0.02	0.04	—	0.04	0.04	—	0.04	—	2,176	2,176	0.09	0.02	—	2,184

Dust From Material Movement	—	—	—	—	—	—	3.15	3.15	—	1.62	1.62	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.19	2.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	360	360	0.01	< 0.005	—	362
Dust From Material Movement	—	—	—	—	—	—	0.57	0.57	—	0.30	0.30	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.08	0.08	0.06	1.57	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	433	433	< 0.005	< 0.005	0.38	434
Vendor	0.01	0.01	0.14	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	136	136	< 0.005	0.02	0.12	142
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.02	0.01	0.01	0.23	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	81.2	81.2	< 0.005	< 0.005	0.03	81.4
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	0.01	29.2
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	0.01	13.5
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.64	4.64	< 0.005	< 0.005	< 0.005	4.83

Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (2038) - 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	5.00	4.20	27.2	44.3	0.12	1.03	—	1.03	0.95	—	0.95	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	5.00	4.20	27.2	44.3	0.12	1.03	—	1.03	0.95	—	0.95	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.37	1.15	7.45	12.1	0.03	0.28	—	0.28	0.26	—	0.26	—	3,537	3,537	0.14	0.03	—	3,549

Dust From Material Movement:	—	—	—	—	—	—	5.04	5.04	—	2.00	2.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.25	0.21	1.36	2.22	0.01	0.05	—	0.05	0.05	—	0.05	—	586	586	0.02	< 0.005	—	588
Dust From Material Movement:	—	—	—	—	—	—	0.92	0.92	—	0.37	0.37	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.08	0.08	0.06	1.57	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	433	433	< 0.005	< 0.005	0.38	434
Vendor	0.01	0.01	0.14	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	136	136	< 0.005	0.02	0.12	142
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.07	0.07	0.06	0.89	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	370	370	< 0.005	< 0.005	0.01	371
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	136	136	< 0.005	0.02	< 0.005	142
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.12	0.12	0.00	0.03	0.03	—	108	108	< 0.005	< 0.005	0.04	109
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.4	37.4	< 0.005	0.01	0.01	38.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.00	0.01	0.01	—	17.9	17.9	< 0.005	< 0.005	0.01	18.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.19	6.19	< 0.005	< 0.005	< 0.005	6.44
Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (2038) - 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	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.34	0.34	2.06	18.8	0.03	0.07	—	0.07	0.07	—	0.07	—	3,537	3,537	0.14	0.03	—	3,549
Dust From Material Movement	—	—	—	—	—	—	1.97	1.97	—	0.78	0.78	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.38	3.44	0.01	0.01	—	0.01	0.01	—	0.01	—	586	586	0.02	< 0.005	—	588
Dust From Material Movement	—	—	—	—	—	—	0.36	0.36	—	0.14	0.14	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	1.57	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	433	433	< 0.005	< 0.005	0.38	434
Vendor	0.01	0.01	0.14	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	136	136	< 0.005	0.02	0.12	142
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.07	0.07	0.06	0.89	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	370	370	< 0.005	< 0.005	0.01	371
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	136	136	< 0.005	0.02	< 0.005	142
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.12	0.12	0.00	0.03	0.03	—	108	108	< 0.005	< 0.005	0.04	109

Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.4	37.4	< 0.005	0.01	0.01	38.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.00	0.01	0.01	—	17.9	17.9	< 0.005	< 0.005	0.01	18.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.19	6.19	< 0.005	< 0.005	< 0.005	6.44
Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (2039) - 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	4.90	4.11	26.1	43.5	0.12	0.98	—	0.98	0.90	—	0.90	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.44	0.37	2.35	3.91	0.01	0.09	—	0.09	0.08	—	0.08	—	1,162	1,162	0.05	0.01	—	1,166

Dust From Material Movement:	—	—	—	—	—	—	1.66	1.66	—	0.66	0.66	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.43	0.71	< 0.005	0.02	—	0.02	0.01	—	0.01	—	192	192	0.01	< 0.005	—	193
Dust From Material Movement:	—	—	—	—	—	—	0.30	0.30	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.07	0.05	0.06	0.85	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	368	368	< 0.005	< 0.005	0.01	368
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	134	134	< 0.005	0.02	< 0.005	139
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.3	35.3	< 0.005	< 0.005	0.01	35.4
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	< 0.005	12.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.85	5.85	< 0.005	< 0.005	< 0.005	5.86
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.99	1.99	< 0.005	< 0.005	< 0.005	2.08

Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (2039) - 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	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.11	0.68	6.19	0.01	0.02	—	0.02	0.02	—	0.02	—	1,162	1,162	0.05	0.01	—	1,166
Dust From Material Movement	—	—	—	—	—	—	0.65	0.65	—	0.26	0.26	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.12	1.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	192	192	0.01	< 0.005	—	193

Dust From Material Movement	—	—	—	—	—	—	0.12	0.12	—	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.05	0.06	0.85	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	368	368	< 0.005	< 0.005	0.01	368
Vendor	0.01	< 0.005	0.15	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	134	134	< 0.005	0.02	< 0.005	139
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.3	35.3	< 0.005	< 0.005	0.01	35.4
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	< 0.005	12.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.85	5.85	< 0.005	< 0.005	< 0.005	5.86
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.99	1.99	< 0.005	< 0.005	< 0.005	2.08
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction (2039) - 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	4.36	3.64	33.1	61.8	0.10	0.49	—	0.49	0.45	—	0.45	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.36	3.64	33.1	61.8	0.10	0.49	—	0.49	0.45	—	0.45	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	2.72	2.27	20.6	38.6	0.06	0.30	—	0.30	0.28	—	0.28	—	6,312	6,312	0.26	0.05	—	6,333
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.50	0.42	3.77	7.04	0.01	0.06	—	0.06	0.05	—	0.05	—	1,045	1,045	0.04	0.01	—	1,049
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	5.20	5.15	3.86	102	0.00	0.00	30.7	30.7	0.00	7.20	7.20	—	28,875	28,875	0.16	0.16	22.1	28,947
Vendor	0.43	0.35	9.33	4.03	0.09	0.18	3.48	3.66	0.09	0.96	1.05	—	9,053	9,053	0.15	1.26	6.76	9,439
Hauling	0.00	0.00	0.00	0.00	0.00	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	4.74	3.68	3.86	57.4	0.00	0.00	30.7	30.7	0.00	7.20	7.20	—	24,667	24,667	0.21	0.16	0.57	24,719
Vendor	0.38	0.32	10.0	4.20	0.09	0.18	3.48	3.66	0.09	0.96	1.05	—	9,066	9,066	0.15	1.26	0.18	9,445
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.02	2.96	2.38	45.1	0.00	0.00	19.1	19.1	0.00	4.47	4.47	—	16,436	16,436	0.13	0.10	5.94	16,474
Vendor	0.25	0.21	6.07	2.56	0.06	0.11	2.16	2.28	0.06	0.60	0.65	—	5,655	5,655	0.09	0.79	1.82	5,894
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.54	0.43	8.23	0.00	0.00	3.48	3.48	0.00	0.82	0.82	—	2,721	2,721	0.02	0.02	0.98	2,727
Vendor	0.05	0.04	1.11	0.47	0.01	0.02	0.39	0.42	0.01	0.11	0.12	—	936	936	0.02	0.13	0.30	976
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction (2039) - 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	1.30	1.26	15.4	67.2	0.10	0.24	—	0.24	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.30	1.26	15.4	67.2	0.10	0.24	—	0.24	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.81	0.79	9.64	42.0	0.06	0.15	—	0.15	0.15	—	0.15	—	6,312	6,312	0.26	0.05	—	6,333
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.15	0.14	1.76	7.66	0.01	0.03	—	0.03	0.03	—	0.03	—	1,045	1,045	0.04	0.01	—	1,049
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	5.20	5.15	3.86	102	0.00	0.00	30.7	30.7	0.00	7.20	7.20	—	28,875	28,875	0.16	0.16	22.1	28,947
Vendor	0.43	0.35	9.33	4.03	0.09	0.18	3.48	3.66	0.09	0.96	1.05	—	9,053	9,053	0.15	1.26	6.76	9,439
Hauling	0.00	0.00	0.00	0.00	0.00	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	4.74	3.68	3.86	57.4	0.00	0.00	30.7	30.7	0.00	7.20	7.20	—	24,667	24,667	0.21	0.16	0.57	24,719
Vendor	0.38	0.32	10.0	4.20	0.09	0.18	3.48	3.66	0.09	0.96	1.05	—	9,066	9,066	0.15	1.26	0.18	9,445
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.02	2.96	2.38	45.1	0.00	0.00	19.1	19.1	0.00	4.47	4.47	—	16,436	16,436	0.13	0.10	5.94	16,474
Vendor	0.25	0.21	6.07	2.56	0.06	0.11	2.16	2.28	0.06	0.60	0.65	—	5,655	5,655	0.09	0.79	1.82	5,894

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.54	0.43	8.23	0.00	0.00	3.48	3.48	0.00	0.82	0.82	—	2,721	2,721	0.02	0.02	0.98	2,727
Vendor	0.05	0.04	1.11	0.47	0.01	0.02	0.39	0.42	0.01	0.11	0.12	—	936	936	0.02	0.13	0.30	976
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction (2040) - 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	4.34	3.63	32.8	61.7	0.10	0.47	—	0.47	0.43	—	0.43	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.34	3.63	32.8	61.7	0.10	0.47	—	0.47	0.43	—	0.43	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.11	2.60	23.5	44.2	0.07	0.34	—	0.34	0.31	—	0.31	—	7,241	7,241	0.29	0.06	—	7,266
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.57	0.47	4.29	8.07	0.01	0.06	—	0.06	0.06	—	0.06	—	1,199	1,199	0.05	0.01	—	1,203
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	5.05	4.95	3.86	99.1	0.00	0.00	30.7	30.7	0.00	7.20	7.20	—	28,690	28,690	0.16	0.16	19.0	28,759
Vendor	0.42	0.35	9.23	4.02	0.09	0.18	3.48	3.66	0.09	0.96	1.05	—	8,894	8,894	0.05	1.26	5.54	9,276
Hauling	0.00	0.00	0.00	0.00	0.00	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	4.53	3.47	3.86	55.1	0.00	0.00	30.7	30.7	0.00	7.20	7.20	—	24,512	24,512	0.21	0.16	0.49	24,564
Vendor	0.38	0.32	9.89	4.19	0.09	0.18	3.48	3.66	0.09	0.96	1.05	—	8,907	8,907	0.05	1.26	0.14	9,284
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.32	2.56	2.73	50.1	0.00	0.00	21.9	21.9	0.00	5.13	5.13	—	18,738	18,738	0.15	0.11	5.89	18,781
Vendor	0.29	0.24	6.90	2.93	0.07	0.13	2.48	2.61	0.07	0.69	0.75	—	6,374	6,374	0.04	0.90	1.71	6,646
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.47	0.50	9.15	0.00	0.00	3.99	3.99	0.00	0.94	0.94	—	3,102	3,102	0.02	0.02	0.97	3,109
Vendor	0.05	0.04	1.26	0.53	0.01	0.02	0.45	0.48	0.01	0.13	0.14	—	1,055	1,055	0.01	0.15	0.28	1,100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2040) - 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	1.30	1.26	15.4	67.2	0.10	0.24	—	0.24	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.30	1.26	15.4	67.2	0.10	0.24	—	0.24	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.93	0.91	11.1	48.1	0.07	0.17	—	0.17	0.17	—	0.17	—	7,241	7,241	0.29	0.06	—	7,266
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.17	0.17	2.02	8.79	0.01	0.03	—	0.03	0.03	—	0.03	—	1,199	1,199	0.05	0.01	—	1,203
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	5.05	4.95	3.86	99.1	0.00	0.00	30.7	30.7	0.00	7.20	7.20	—	28,690	28,690	0.16	0.16	19.0	28,759
Vendor	0.42	0.35	9.23	4.02	0.09	0.18	3.48	3.66	0.09	0.96	1.05	—	8,894	8,894	0.05	1.26	5.54	9,276
Hauling	0.00	0.00	0.00	0.00	0.00	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	4.53	3.47	3.86	55.1	0.00	0.00	30.7	30.7	0.00	7.20	7.20	—	24,512	24,512	0.21	0.16	0.49	24,564
Vendor	0.38	0.32	9.89	4.19	0.09	0.18	3.48	3.66	0.09	0.96	1.05	—	8,907	8,907	0.05	1.26	0.14	9,284
Hauling	0.00	0.00	0.00	0.00	0.00	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	3.32	2.56	2.73	50.1	0.00	0.00	21.9	21.9	0.00	5.13	5.13	—	18,738	18,738	0.15	0.11	5.89	18,781
Vendor	0.29	0.24	6.90	2.93	0.07	0.13	2.48	2.61	0.07	0.69	0.75	—	6,374	6,374	0.04	0.90	1.71	6,646
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.47	0.50	9.15	0.00	0.00	3.99	3.99	0.00	0.94	0.94	—	3,102	3,102	0.02	0.02	0.97	3,109
Vendor	0.05	0.04	1.26	0.53	0.01	0.02	0.45	0.48	0.01	0.13	0.14	—	1,055	1,055	0.01	0.15	0.28	1,100
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2041) - 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	4.33	3.61	32.6	61.6	0.10	0.46	—	0.46	0.42	—	0.42	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.54	0.45	4.09	7.72	0.01	0.06	—	0.06	0.05	—	0.05	—	1,266	1,266	0.05	0.01	—	1,271
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.10	0.08	0.75	1.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	210	210	0.01	< 0.005	—	210
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.43	3.42	3.81	53.9	0.00	0.00	30.7	30.7	0.00	7.20	7.20	—	24,376	24,376	0.21	0.16	0.43	24,428
Vendor	0.38	0.32	9.78	4.09	0.09	0.18	3.48	3.66	0.09	0.96	1.05	—	8,762	8,762	0.05	1.26	0.12	9,139
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.56	0.43	0.35	8.50	0.00	0.00	3.83	3.83	0.00	0.90	0.90	—	3,258	3,258	0.02	0.02	0.89	3,265
Vendor	0.05	0.04	1.19	0.50	0.01	0.02	0.43	0.46	0.01	0.12	0.13	—	1,097	1,097	0.01	0.16	0.24	1,144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	1.55	0.00	0.00	0.70	0.70	0.00	0.16	0.16	—	539	539	< 0.005	< 0.005	0.15	541
Vendor	0.01	0.01	0.22	0.09	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	182	182	< 0.005	0.03	0.04	189
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2041) - 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	1.30	1.26	15.4	67.2	0.10	0.24	—	0.24	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.16	0.16	1.93	8.42	0.01	0.03	—	0.03	0.03	—	0.03	—	1,266	1,266	0.05	0.01	—	1,271
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.35	1.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	210	210	0.01	< 0.005	—	210
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.43	3.42	3.81	53.9	0.00	0.00	30.7	30.7	0.00	7.20	7.20	—	24,376	24,376	0.21	0.16	0.43	24,428
Vendor	0.38	0.32	9.78	4.09	0.09	0.18	3.48	3.66	0.09	0.96	1.05	—	8,762	8,762	0.05	1.26	0.12	9,139
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.56	0.43	0.35	8.50	0.00	0.00	3.83	3.83	0.00	0.90	0.90	—	3,258	3,258	0.02	0.02	0.89	3,265
Vendor	0.05	0.04	1.19	0.50	0.01	0.02	0.43	0.46	0.01	0.12	0.13	—	1,097	1,097	0.01	0.16	0.24	1,144
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	1.55	0.00	0.00	0.70	0.70	0.00	0.16	0.16	—	539	539	< 0.005	< 0.005	0.15	541
Vendor	0.01	0.01	0.22	0.09	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	182	182	< 0.005	0.03	0.04	189
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2040) - 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	1.16	0.97	10.5	19.5	0.03	0.21	—	0.21	0.20	—	0.20	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.37	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.16	0.97	10.5	19.5	0.03	0.21	—	0.21	0.20	—	0.20	—	3,021	3,021	0.12	0.02	—	3,032

Paving	1.37	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.73	0.61	6.63	12.2	0.02	0.13	—	0.13	0.12	—	0.12	—	1,898	1,898	0.08	0.02	—	1,904
Paving	0.86	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.13	0.11	1.21	2.23	< 0.005	0.02	—	0.02	0.02	—	0.02	—	314	314	0.01	< 0.005	—	315
Paving	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	0.06	0.06	0.05	1.27	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	366	366	< 0.005	< 0.005	0.24	367
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	109	109	< 0.005	0.02	0.07	114
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.05	0.70	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	313	313	< 0.005	< 0.005	0.01	314
Vendor	< 0.005	< 0.005	0.12	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	< 0.005	114
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.03	0.03	0.56	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	210	210	< 0.005	< 0.005	0.07	210

Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	68.8	68.8	< 0.005	0.01	0.02	71.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	34.7	34.7	< 0.005	< 0.005	0.01	34.8
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	11.4	11.4	< 0.005	< 0.005	< 0.005	11.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2040) - 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.37	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.37	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.20	0.20	2.43	13.3	0.02	0.04	—	0.04	0.04	—	0.04	—	1,898	1,898	0.08	0.02	—	1,904

Paving	0.86	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.44	2.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	314	314	0.01	< 0.005	—	315
Paving	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	0.06	0.06	0.05	1.27	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	366	366	< 0.005	< 0.005	0.24	367
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	109	109	< 0.005	0.02	0.07	114
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.05	0.70	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	313	313	< 0.005	< 0.005	0.01	314
Vendor	< 0.005	< 0.005	0.12	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	110	110	< 0.005	0.02	< 0.005	114
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.03	0.03	0.56	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	210	210	< 0.005	< 0.005	0.07	210
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	68.8	68.8	< 0.005	0.01	0.02	71.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.10	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	34.7	34.7	< 0.005	< 0.005	0.01	34.8
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	11.4	11.4	< 0.005	< 0.005	< 0.005	11.9

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Paving (2041) - 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	1.14	0.96	10.4	19.5	0.03	0.20	—	0.20	0.18	—	0.18	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.37	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.14	0.96	10.4	19.5	0.03	0.20	—	0.20	0.18	—	0.18	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.37	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.30	0.25	2.71	5.07	0.01	0.05	—	0.05	0.05	—	0.05	—	786	786	0.03	0.01	—	789
Paving	0.36	0.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.49	0.93	< 0.005	0.01	—	0.01	0.01	—	0.01	—	130	130	0.01	< 0.005	—	131

Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	1.23	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	364	364	< 0.005	< 0.005	0.21	365
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.06	112
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.05	0.69	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	311	311	< 0.005	< 0.005	0.01	312
Vendor	< 0.005	< 0.005	0.12	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	< 0.005	112
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.23	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	86.5	86.5	< 0.005	< 0.005	0.02	86.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	0.01	29.2
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.3	14.3	< 0.005	< 0.005	< 0.005	14.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.64	4.64	< 0.005	< 0.005	< 0.005	4.84
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Paving (2041) - 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.37	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	1.37	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.08	0.08	1.01	5.52	0.01	0.01	—	0.01	0.01	—	0.01	—	786	786	0.03	0.01	—	789
Paving	0.36	0.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.18	1.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	130	130	0.01	< 0.005	—	131
Paving	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	1.23	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	364	364	< 0.005	< 0.005	0.21	365
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	0.06	112
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.05	0.69	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	311	311	< 0.005	< 0.005	0.01	312
Vendor	< 0.005	< 0.005	0.12	0.05	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	108	108	< 0.005	0.02	< 0.005	112
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.23	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	86.5	86.5	< 0.005	< 0.005	0.02	86.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	0.01	29.2
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.3	14.3	< 0.005	< 0.005	< 0.005	14.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.64	4.64	< 0.005	< 0.005	< 0.005	4.84
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Architectural Coating (2039) - 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	1.07	0.89	7.43	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	64.5	64.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.48	0.71	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	86.2	86.2	< 0.005	< 0.005	—	86.5
Architect ural Coatings	4.16	4.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.3	14.3	< 0.005	< 0.005	—	14.3
Architect ural Coatings	0.76	0.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.95	0.74	0.77	11.5	0.00	0.00	6.14	6.14	0.00	1.44	1.44	—	4,933	4,933	0.04	0.03	0.11	4,944

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	0.06	0.06	0.05	0.93	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	340	340	< 0.005	< 0.005	0.12	341
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	0.17	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	56.3	56.3	< 0.005	< 0.005	0.02	56.4
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

3.18. Architectural Coating (2039) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	12.9	12.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	0.42	0.62	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	86.2	86.2	< 0.005	< 0.005	—	86.5
Architectural Coatings	0.83	0.83	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.3	14.3	< 0.005	< 0.005	—	14.3
Architectural Coatings	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.95	0.74	0.77	11.5	0.00	0.00	6.14	6.14	0.00	1.44	1.44	—	4,933	4,933	0.04	0.03	0.11	4,944
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	0.06	0.06	0.05	0.93	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	340	340	< 0.005	< 0.005	0.12	341
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	0.17	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	56.3	56.3	< 0.005	< 0.005	0.02	56.4

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

3.19. Architectural Coating (2040) - 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	1.08	0.89	7.42	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	64.5	64.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.08	0.89	7.42	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	64.5	64.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	5.32	7.84	0.01	0.03	—	0.03	0.03	—	0.03	—	956	956	0.04	0.01	—	960

Architect ural Coatings	46.2	46.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.97	1.43	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	158	158	0.01	< 0.005	—	159
Architect ural Coatings	8.43	8.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.01	0.99	0.77	19.8	0.00	0.00	6.14	6.14	0.00	1.44	1.44	—	5,738	5,738	0.03	0.03	3.81	5,752
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	0.91	0.69	0.77	11.0	0.00	0.00	6.14	6.14	0.00	1.44	1.44	—	4,902	4,902	0.04	0.03	0.10	4,913
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	0.66	0.51	0.55	10.0	0.00	0.00	4.38	4.38	0.00	1.03	1.03	—	3,748	3,748	0.03	0.02	1.18	3,756
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	0.12	0.09	0.10	1.83	0.00	0.00	0.80	0.80	0.00	0.19	0.19	—	620	620	< 0.005	< 0.005	0.19	622
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Architectural Coating (2040) - 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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	12.9	12.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	12.9	12.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.15	0.15	4.63	6.90	0.01	0.02	—	0.02	0.02	—	0.02	—	956	956	0.04	0.01	—	960

Architect Coatings	9.24	9.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.84	1.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	158	158	0.01	< 0.005	—	159
Architect ural Coatings	1.69	1.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.01	0.99	0.77	19.8	0.00	0.00	6.14	6.14	0.00	1.44	1.44	—	5,738	5,738	0.03	0.03	3.81	5,752
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	0.91	0.69	0.77	11.0	0.00	0.00	6.14	6.14	0.00	1.44	1.44	—	4,902	4,902	0.04	0.03	0.10	4,913
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	0.66	0.51	0.55	10.0	0.00	0.00	4.38	4.38	0.00	1.03	1.03	—	3,748	3,748	0.03	0.02	1.18	3,756
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	0.12	0.09	0.10	1.83	0.00	0.00	0.80	0.80	0.00	0.19	0.19	—	620	620	< 0.005	< 0.005	0.19	622

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Architectural Coating (2041) - 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	1.08	0.89	7.42	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	64.5	64.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.08	0.89	7.42	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	64.5	64.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.42	3.52	5.18	0.01	0.02	—	0.02	0.02	—	0.02	—	632	632	0.03	0.01	—	635

Architect ural Coatings	30.5	30.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.64	0.95	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	105	105	< 0.005	< 0.005	—	105
Architect ural Coatings	5.57	5.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.97	0.77	0.57	19.2	0.00	0.00	6.14	6.14	0.00	1.44	1.44	—	5,705	5,705	0.03	0.03	3.29	5,719
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	0.89	0.68	0.76	10.8	0.00	0.00	6.14	6.14	0.00	1.44	1.44	—	4,875	4,875	0.04	0.03	0.09	4,886
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	0.42	0.33	0.26	6.43	0.00	0.00	2.89	2.89	0.00	0.68	0.68	—	2,464	2,464	0.01	0.01	0.67	2,470
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	0.08	0.06	0.05	1.17	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	408	408	< 0.005	< 0.005	0.11	409
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Architectural Coating (2041) - 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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	12.9	12.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	12.9	12.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.10	0.10	3.06	4.56	0.01	0.01	—	0.01	0.01	—	0.01	—	632	632	0.03	0.01	—	635

Architect Coatings	6.11	6.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.56	0.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	105	105	< 0.005	< 0.005	—	105
Architect ural Coatings	1.11	1.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.97	0.77	0.57	19.2	0.00	0.00	6.14	6.14	0.00	1.44	1.44	—	5,705	5,705	0.03	0.03	3.29	5,719
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	0.89	0.68	0.76	10.8	0.00	0.00	6.14	6.14	0.00	1.44	1.44	—	4,875	4,875	0.04	0.03	0.09	4,886
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	0.42	0.33	0.26	6.43	0.00	0.00	2.89	2.89	0.00	0.68	0.68	—	2,464	2,464	0.01	0.01	0.67	2,470
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	0.08	0.06	0.05	1.17	0.00	0.00	0.53	0.53	0.00	0.12	0.12	—	408	408	< 0.005	< 0.005	0.11	409

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Elementary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Apartme nts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Condo/T ownhous e	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	78.4	71.5	81.0	908	2.66	1.38	263	265	1.30	66.8	68.1	—	271,174	271,174	6.49	10.9	123	274,693
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	78.4	71.5	81.0	908	2.66	1.38	263	265	1.30	66.8	68.1	—	271,174	271,174	6.49	10.9	123	274,693
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Element ary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Condo/T	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	69.4	62.7	87.9	609	2.36	1.38	263	265	1.30	66.8	68.1	—	240,931	240,931	6.69	11.1	3.18	244,421
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	69.4	62.7	87.9	609	2.36	1.38	263	265	1.30	66.8	68.1	—	240,931	240,931	6.69	11.1	3.18	244,421
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Element ary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Condo/T ownhous e	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Single Family Housing	13.1	11.8	15.4	128	0.45	0.25	47.8	48.0	0.24	12.1	12.4	—	41,864	41,864	1.08	1.81	8.78	42,439
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	13.1	11.8	15.4	128	0.45	0.25	47.8	48.0	0.24	12.1	12.4	—	41,864	41,864	1.08	1.81	8.78	42,439

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Elementary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Apartme nts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Condo/T ownhous e	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	78.4	71.5	81.0	908	2.66	1.38	263	265	1.30	66.8	68.1	—	271,174	271,174	6.49	10.9	123	274,693
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	78.4	71.5	81.0	908	2.66	1.38	263	265	1.30	66.8	68.1	—	271,174	271,174	6.49	10.9	123	274,693
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Element ary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Condo/T	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	69.4	62.7	87.9	609	2.36	1.38	263	265	1.30	66.8	68.1	—	240,931	240,931	6.69	11.1	3.18	244,421
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	69.4	62.7	87.9	609	2.36	1.38	263	265	1.30	66.8	68.1	—	240,931	240,931	6.69	11.1	3.18	244,421
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Element ary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartme nts Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Condo/T ownhous e	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Single Family Housing	13.1	11.8	15.4	128	0.45	0.25	47.8	48.0	0.24	12.1	12.4	—	41,864	41,864	1.08	1.81	8.78	42,439
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	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	13.1	11.8	15.4	128	0.45	0.25	47.8	48.0	0.24	12.1	12.4	—	41,864	41,864	1.08	1.81	8.78	42,439

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	539	539	0.07	0.01	—	543
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	1,635	1,635	0.22	0.03	—	1,649
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3,131	3,131	0.42	0.05	—	3,157
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	6,155	6,155	0.82	0.10	—	6,205
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	145	145	0.02	< 0.005	—	146
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	7,207	7,207	0.96	0.12	—	7,266
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	4,100	4,100	0.55	0.07	—	4,133
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	628	628	0.08	0.01	—	633
Total	—	—	—	—	—	—	—	—	—	—	—	—	23,541	23,541	3.15	0.38	—	23,733
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	539	539	0.07	0.01	—	543
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	1,635	1,635	0.22	0.03	—	1,649
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3,131	3,131	0.42	0.05	—	3,157
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	6,155	6,155	0.82	0.10	—	6,205
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	145	145	0.02	< 0.005	—	146
Condo/T ownhous e	—	—	—	—	—	—	—	—	—	—	—	—	7,207	7,207	0.96	0.12	—	7,266
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	4,100	4,100	0.55	0.07	—	4,133
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	628	628	0.08	0.01	—	633
Total	—	—	—	—	—	—	—	—	—	—	—	—	23,541	23,541	3.15	0.38	—	23,733
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	89.2	89.2	0.01	< 0.005	—	89.9
Element ary School	—	—	—	—	—	—	—	—	—	—	—	—	271	271	0.04	< 0.005	—	273
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	518	518	0.07	0.01	—	523
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,019	1,019	0.14	0.02	—	1,027

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	24.0	24.0	< 0.005	< 0.005	—	24.2
Condo/T ownhous e	—	—	—	—	—	—	—	—	—	—	—	—	1,193	1,193	0.16	0.02	—	1,203
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	679	679	0.09	0.01	—	684
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	104	104	0.01	< 0.005	—	105
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,897	3,897	0.52	0.06	—	3,929

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	239	239	0.03	< 0.005	—	241
Element ary School	—	—	—	—	—	—	—	—	—	—	—	—	594	594	0.08	0.01	—	598
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3,131	3,131	0.42	0.05	—	3,157

City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,792	2,792	0.37	0.05	—	2,815
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	66.5	66.5	0.01	< 0.005	—	67.0
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	3,281	3,281	0.44	0.05	—	3,308
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	3,082	3,082	0.41	0.05	—	3,107
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	257	257	0.03	< 0.005	—	259
Total	—	—	—	—	—	—	—	—	—	—	—	—	13,441	13,441	1.80	0.22	—	13,551
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	239	239	0.03	< 0.005	—	240
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	591	591	0.08	0.01	—	596
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	3,131	3,131	0.42	0.05	—	3,157
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartme Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,767	2,767	0.37	0.04	—	2,790
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	65.8	65.8	0.01	< 0.005	—	66.3
Condo/T ownhous e	—	—	—	—	—	—	—	—	—	—	—	—	3,254	3,254	0.44	0.05	—	3,281
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	3,070	3,070	0.41	0.05	—	3,095
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	256	256	0.03	< 0.005	—	258
Total	—	—	—	—	—	—	—	—	—	—	—	—	13,373	13,373	1.79	0.22	—	13,483
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	39.5	39.5	0.01	< 0.005	—	39.8
Element ary School	—	—	—	—	—	—	—	—	—	—	—	—	98.1	98.1	0.01	< 0.005	—	98.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	518	518	0.07	0.01	—	523
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	460	460	0.06	0.01	—	464

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0	< 0.005	< 0.005	—	11.0
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	541	541	0.07	0.01	—	545
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	509	509	0.07	0.01	—	513
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	42.4	42.4	0.01	< 0.005	—	42.8
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,220	2,220	0.30	0.04	—	2,238

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.1	72.1	0.01	< 0.005	—	72.3
Elementary School	0.06	0.03	0.52	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	616	616	0.05	< 0.005	—	618
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
Other Non-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
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

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.67	0.33	5.70	2.43	0.04	0.46	—	0.46	0.46	—	0.46	—	7,239	7,239	0.64	0.01	—	7,259
Apartments Mid Rise	0.01	0.01	0.12	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	157	157	0.01	< 0.005	—	157
Condo/Townhouse	0.90	0.45	7.67	3.26	0.05	0.62	—	0.62	0.62	—	0.62	—	9,729	9,729	0.86	0.02	—	9,756
Single Family Housing	0.68	0.34	5.84	2.48	0.04	0.47	—	0.47	0.47	—	0.47	—	7,409	7,409	0.66	0.01	—	7,429
Regional Shopping Center	0.01	0.01	0.11	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	135	135	0.01	< 0.005	—	136
Total	2.34	1.17	20.0	8.80	0.13	1.62	—	1.62	1.62	—	1.62	—	25,357	25,357	2.24	0.05	—	25,428
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	72.1	72.1	0.01	< 0.005	—	72.3
Elementary School	0.06	0.03	0.52	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	616	616	0.05	< 0.005	—	618
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Apartme Low Rise	0.67	0.33	5.70	2.43	0.04	0.46	—	0.46	0.46	—	0.46	—	7,239	7,239	0.64	0.01	—	7,259
Apartme nts Mid Rise	0.01	0.01	0.12	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	157	157	0.01	< 0.005	—	157
Condo/T ownhous e	0.90	0.45	7.67	3.26	0.05	0.62	—	0.62	0.62	—	0.62	—	9,729	9,729	0.86	0.02	—	9,756
Single Family Housing	0.68	0.34	5.84	2.48	0.04	0.47	—	0.47	0.47	—	0.47	—	7,409	7,409	0.66	0.01	—	7,429
Regional Shopping Center	0.01	0.01	0.11	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	135	135	0.01	< 0.005	—	136
Total	2.34	1.17	20.0	8.80	0.13	1.62	—	1.62	1.62	—	1.62	—	25,357	25,357	2.24	0.05	—	25,428
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.9	11.9	< 0.005	< 0.005	—	12.0
Element ary School	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Low Rise	0.12	0.06	1.04	0.44	0.01	0.08	—	0.08	0.08	—	0.08	—	1,198	1,198	0.11	< 0.005	—	1,202

Apartments	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	26.0	26.0	< 0.005	< 0.005	—	26.1
Condo/Townhouse	0.16	0.08	1.40	0.60	0.01	0.11	—	0.11	0.11	—	0.11	—	1,611	1,611	0.14	< 0.005	—	1,615
Single Family Housing	0.12	0.06	1.07	0.45	0.01	0.09	—	0.09	0.09	—	0.09	—	1,227	1,227	0.11	< 0.005	—	1,230
Regional Shopping Center	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	22.4	22.4	< 0.005	< 0.005	—	22.5
Total	0.43	0.21	3.65	1.61	0.02	0.29	—	0.29	0.29	—	0.29	—	4,198	4,198	0.37	0.01	—	4,210

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.4	66.4	0.01	< 0.005	—	66.6
Elementary School	0.05	0.03	0.50	0.42	< 0.005	0.04	—	0.04	0.04	—	0.04	—	593	593	0.05	< 0.005	—	595
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
Other Non-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
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

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.50	0.25	4.31	1.83	0.03	0.35	—	0.35	0.35	—	0.35	—	5,473	5,473	0.48	0.01	—	5,488
Apartments Mid Rise	0.01	0.01	0.09	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	119	119	0.01	< 0.005	—	119
Condo/Townhouse	0.68	0.34	5.79	2.46	0.04	0.47	—	0.47	0.47	—	0.47	—	7,352	7,352	0.65	0.01	—	7,372
Single Family Housing	0.53	0.27	4.54	1.93	0.03	0.37	—	0.37	0.37	—	0.37	—	5,759	5,759	0.51	0.01	—	5,775
Regional Shopping Center	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128
Total	1.80	0.90	15.4	6.82	0.10	1.24	—	1.24	1.24	—	1.24	—	19,489	19,489	1.72	0.04	—	19,543
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.4	66.4	0.01	< 0.005	—	66.6
Elementary School	0.05	0.03	0.50	0.42	< 0.005	0.04	—	0.04	0.04	—	0.04	—	593	593	0.05	< 0.005	—	595
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Apartme Low Rise	0.50	0.25	4.31	1.83	0.03	0.35	—	0.35	0.35	—	0.35	—	5,473	5,473	0.48	0.01	—	5,488
Apartme nts Mid Rise	0.01	0.01	0.09	0.04	< 0.005	0.01	—	0.01	0.01	—	0.01	—	119	119	0.01	< 0.005	—	119
Condo/T ownhous e	0.68	0.34	5.79	2.46	0.04	0.47	—	0.47	0.47	—	0.47	—	7,352	7,352	0.65	0.01	—	7,372
Single Family Housing	0.53	0.27	4.54	1.93	0.03	0.37	—	0.37	0.37	—	0.37	—	5,759	5,759	0.51	0.01	—	5,775
Regional Shopping Center	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	128	128	0.01	< 0.005	—	128
Total	1.80	0.90	15.4	6.82	0.10	1.24	—	1.24	1.24	—	1.24	—	19,489	19,489	1.72	0.04	—	19,543
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.0
Element ary School	0.01	< 0.005	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	98.2	98.2	0.01	< 0.005	—	98.5
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Low Rise	0.09	0.05	0.79	0.33	0.01	0.06	—	0.06	0.06	—	0.06	—	906	906	0.08	< 0.005	—	909

Apartments	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	19.6	19.6	< 0.005	< 0.005	—	19.7
Condo/Townhouse	0.12	0.06	1.06	0.45	0.01	0.09	—	0.09	0.09	—	0.09	—	1,217	1,217	0.11	< 0.005	—	1,221
Single Family Housing	0.10	0.05	0.83	0.35	0.01	0.07	—	0.07	0.07	—	0.07	—	954	954	0.08	< 0.005	—	956
Regional Shopping Center	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.1	21.1	< 0.005	< 0.005	—	21.2
Total	0.33	0.16	2.81	1.25	0.02	0.23	—	0.23	0.23	—	0.23	—	3,227	3,227	0.29	0.01	—	3,236

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	5.73	2.87	49.0	20.8	0.31	3.96	—	3.96	3.96	—	3.96	0.00	62,194	62,194	1.17	0.12	—	62,258
Consumer Products	99.3	99.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	8.11	8.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	19.7	18.6	1.90	207	0.01	0.10	—	0.10	0.08	—	0.08	—	565	565	0.02	< 0.005	—	567
Total	133	129	50.9	228	0.32	4.07	—	4.07	4.04	—	4.04	0.00	62,759	62,759	1.19	0.12	—	62,825

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	5.73	2.87	49.0	20.8	0.31	3.96	—	3.96	3.96	—	3.96	0.00	62,194	62,194	1.17	0.12	—	62,258
Consumer Products	99.3	99.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	8.11	8.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	113	110	49.0	20.8	0.31	3.96	—	3.96	3.96	—	3.96	0.00	62,194	62,194	1.17	0.12	—	62,258
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.07	0.04	0.61	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	705	705	0.01	< 0.005	—	706
Consumer Products	18.1	18.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.48	1.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.78	1.68	0.17	18.7	< 0.005	0.01	—	0.01	0.01	—	0.01	—	46.1	46.1	< 0.005	< 0.005	—	46.3
Total	21.5	21.3	0.78	18.9	< 0.005	0.06	—	0.06	0.06	—	0.06	0.00	751	751	0.02	< 0.005	—	752

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	5.73	2.87	49.0	20.8	0.31	3.96	—	3.96	3.96	—	3.96	0.00	62,194	62,194	1.17	0.12	—	62,258

Consumer	92.2	92.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.62	1.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	99.5	96.7	49.0	20.8	0.31	3.96	—	3.96	3.96	—	3.96	0.00	62,194	62,194	1.17	0.12	—	62,258
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	5.73	2.87	49.0	20.8	0.31	3.96	—	3.96	3.96	—	3.96	0.00	62,194	62,194	1.17	0.12	—	62,258
Consumer Products	92.2	92.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.62	1.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	99.5	96.7	49.0	20.8	0.31	3.96	—	3.96	3.96	—	3.96	0.00	62,194	62,194	1.17	0.12	—	62,258
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.07	0.04	0.61	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	705	705	0.01	< 0.005	—	706
Consumer Products	16.8	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.30	0.30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	17.2	17.2	0.61	0.26	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	705	705	0.01	< 0.005	—	706

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	7.15	11.9	19.1	0.73	0.02	—	42.7
Elementary School	—	—	—	—	—	—	—	—	—	—	—	7.17	12.0	19.1	0.74	0.02	—	42.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	403	403	0.05	0.01	—	406
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	104	173	277	10.7	0.26	—	620
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.96	4.95	7.91	0.30	0.01	—	17.7
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	113	189	303	11.7	0.28	—	678
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	50.7	84.6	135	5.21	0.12	—	303
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	8.93	14.9	23.8	0.92	0.02	—	53.4
Total	—	—	—	—	—	—	—	—	—	—	—	294	894	1,188	30.3	0.73	—	2,163

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	7.15	11.9	19.1	0.73	0.02	—	42.7
Elementary School	—	—	—	—	—	—	—	—	—	—	—	7.17	12.0	19.1	0.74	0.02	—	42.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	403	403	0.05	0.01	—	406
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	104	173	277	10.7	0.26	—	620
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.96	4.95	7.91	0.30	0.01	—	17.7
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	113	189	303	11.7	0.28	—	678
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	50.7	84.6	135	5.21	0.12	—	303
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	8.93	14.9	23.8	0.92	0.02	—	53.4
Total	—	—	—	—	—	—	—	—	—	—	—	294	894	1,188	30.3	0.73	—	2,163
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.18	1.98	3.16	0.12	< 0.005	—	7.07
Elementary School	—	—	—	—	—	—	—	—	—	—	—	1.19	1.98	3.17	0.12	< 0.005	—	7.09
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	66.7	66.7	0.01	< 0.005	—	67.2
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	17.2	28.7	45.9	1.76	0.04	—	103
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.49	0.82	1.31	0.05	< 0.005	—	2.93
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	18.8	31.4	50.2	1.93	0.05	—	112
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	8.39	14.0	22.4	0.86	0.02	—	50.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.48	2.47	3.95	0.15	< 0.005	—	8.83
Total	—	—	—	—	—	—	—	—	—	—	—	48.7	148	197	5.01	0.12	—	358

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	7.15	11.9	19.1	0.73	0.02	—	42.7
Elementary School	—	—	—	—	—	—	—	—	—	—	—	7.17	12.0	19.1	0.74	0.02	—	42.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	403	403	0.05	0.01	—	406
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	104	173	277	10.7	0.26	—	620
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.96	4.95	7.91	0.30	0.01	—	17.7
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	113	189	303	11.7	0.28	—	678
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	50.7	84.6	135	5.21	0.12	—	303
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	8.93	14.9	23.8	0.92	0.02	—	53.4
Total	—	—	—	—	—	—	—	—	—	—	—	294	894	1,188	30.3	0.73	—	2,163

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	7.15	11.9	19.1	0.73	0.02	—	42.7
Elementary School	—	—	—	—	—	—	—	—	—	—	—	7.17	12.0	19.1	0.74	0.02	—	42.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	403	403	0.05	0.01	—	406
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	104	173	277	10.7	0.26	—	620
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.96	4.95	7.91	0.30	0.01	—	17.7
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	113	189	303	11.7	0.28	—	678
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	50.7	84.6	135	5.21	0.12	—	303
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	8.93	14.9	23.8	0.92	0.02	—	53.4
Total	—	—	—	—	—	—	—	—	—	—	—	294	894	1,188	30.3	0.73	—	2,163
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.18	1.98	3.16	0.12	< 0.005	—	7.07
Elementary School	—	—	—	—	—	—	—	—	—	—	—	1.19	1.98	3.17	0.12	< 0.005	—	7.09
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	66.7	66.7	0.01	< 0.005	—	67.2
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	17.2	28.7	45.9	1.76	0.04	—	103
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.49	0.82	1.31	0.05	< 0.005	—	2.93
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	18.8	31.4	50.2	1.93	0.05	—	112
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	8.39	14.0	22.4	0.86	0.02	—	50.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.48	2.47	3.95	0.15	< 0.005	—	8.83
Total	—	—	—	—	—	—	—	—	—	—	—	48.7	148	197	5.01	0.12	—	358

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	10.5	0.00	10.5	1.05	0.00	—	36.8
Elementary School	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	531
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	4.73	0.00	4.73	0.47	0.00	—	16.5
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,856
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.2	0.00	15.2	1.52	0.00	—	53.1
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	580	0.00	580	58.0	0.00	—	2,030
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	321	0.00	321	32.1	0.00	—	1,122

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	35.6	0.00	35.6	3.56	0.00	—	125
Total	—	—	—	—	—	—	—	—	—	—	—	1,649	0.00	1,649	165	0.00	—	5,771
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	10.5	0.00	10.5	1.05	0.00	—	36.8
Elementary School	—	—	—	—	—	—	—	—	—	—	—	152	0.00	152	15.2	0.00	—	531
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	4.73	0.00	4.73	0.47	0.00	—	16.5
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	530	0.00	530	53.0	0.00	—	1,856
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	15.2	0.00	15.2	1.52	0.00	—	53.1
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	580	0.00	580	58.0	0.00	—	2,030
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	321	0.00	321	32.1	0.00	—	1,122

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	35.6	0.00	35.6	3.56	0.00	—	125
Total	—	—	—	—	—	—	—	—	—	—	—	1,649	0.00	1,649	165	0.00	—	5,771
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.74	0.00	1.74	0.17	0.00	—	6.09
Element ary School	—	—	—	—	—	—	—	—	—	—	—	25.1	0.00	25.1	2.51	0.00	—	88.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.78	0.00	0.78	0.08	0.00	—	2.74
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	87.8	0.00	87.8	8.78	0.00	—	307
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.51	0.00	2.51	0.25	0.00	—	8.79
Condo/T ownhous e	—	—	—	—	—	—	—	—	—	—	—	96.1	0.00	96.1	9.60	0.00	—	336
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	53.1	0.00	53.1	5.31	0.00	—	186
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	5.90	0.00	5.90	0.59	0.00	—	20.6

Total	—	—	—	—	—	—	—	—	—	—	—	273	0.00	273	27.3	0.00	—	955

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.63	0.00	2.63	0.26	0.00	—	9.20
Elementary School	—	—	—	—	—	—	—	—	—	—	—	38.0	0.00	38.0	3.79	0.00	—	133
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	1.18	0.00	1.18	0.12	0.00	—	4.14
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	133	0.00	133	13.3	0.00	—	464
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	3.79	0.00	3.79	0.38	0.00	—	13.3
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	145	0.00	145	14.5	0.00	—	508

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	80.2	0.00	80.2	8.02	0.00	—	281
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	8.90	0.00	8.90	0.89	0.00	—	31.1
Total	—	—	—	—	—	—	—	—	—	—	—	412	0.00	412	41.2	0.00	—	1,443
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	2.63	0.00	2.63	0.26	0.00	—	9.20
Elementary School	—	—	—	—	—	—	—	—	—	—	—	38.0	0.00	38.0	3.79	0.00	—	133
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	1.18	0.00	1.18	0.12	0.00	—	4.14
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	133	0.00	133	13.3	0.00	—	464
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	3.79	0.00	3.79	0.38	0.00	—	13.3
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	145	0.00	145	14.5	0.00	—	508

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	80.2	0.00	80.2	8.02	0.00	—	281
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	8.90	0.00	8.90	0.89	0.00	—	31.1
Total	—	—	—	—	—	—	—	—	—	—	—	412	0.00	412	41.2	0.00	—	1,443
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.44	0.00	0.44	0.04	0.00	—	1.52
Element ary School	—	—	—	—	—	—	—	—	—	—	—	6.29	0.00	6.29	0.63	0.00	—	22.0
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.20	0.00	0.20	0.02	0.00	—	0.68
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	22.0	0.00	22.0	2.19	0.00	—	76.8
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	0.63	0.00	0.63	0.06	0.00	—	2.20
Condo/T ownhous e	—	—	—	—	—	—	—	—	—	—	—	24.0	0.00	24.0	2.40	0.00	—	84.0
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	13.3	0.00	13.3	1.33	0.00	—	46.5

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.47	0.00	1.47	0.15	0.00	—	5.16
Total	—	—	—	—	—	—	—	—	—	—	—	68.3	0.00	68.3	6.82	0.00	—	239

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.1	10.1
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.1	11.1
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.08	9.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.3	31.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Element ary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.1	10.1
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Condo/T ownhous e	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.1	11.1
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.08	9.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.3	31.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Element ary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.67	1.67

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Condo/T ownhous e	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.83	1.83
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.50	1.50
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.19	5.19

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Element ary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.1	10.1
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Condo/T ownhous e	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.1	11.1

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.08	9.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.3	31.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Element ary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.50	0.50
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.1	10.1
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Condo/T ownhous e	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.1	11.1
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.08	9.08
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	31.3	31.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

Element School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.67	1.67
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.83	1.83
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.50	1.50
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.19	5.19

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetatio	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
Site Preparation	Site Preparation	5/1/2038	8/13/2038	5.00	75.0	—
Grading	Grading	8/14/2038	2/15/2039	5.00	132	—
Building Construction	Building Construction	2/16/2039	3/5/2041	5.00	535	—
Paving	Paving	2/15/2040	5/13/2041	5.00	324	—
Architectural Coating	Architectural Coating	11/29/2039	8/30/2041	5.00	459	—

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	6.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	15.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	15.0	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	10.0	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	10.0	6.00	37.0	0.48

5.2.2. Mitigated

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	6.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	8.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37

Building Construction	Cranes	Diesel	Tier 4 Final	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	15.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	15.0	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	10.0	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	10.0	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	6.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	35.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	6.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	2,349	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	406	10.2	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	5.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	470	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	6.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	35.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	6.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	2,349	18.5	LDA,LDT1,LDT2

Building Construction	Vendor	406	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	5.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	470	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	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	8,622,855	2,874,285	319,491	106,497	844,794

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)

Site Preparation	0.00	0.00	225	0.00	—
Grading	0.00	0.00	792	0.00	—
Paving	0.00	0.00	0.00	0.00	330

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Office Building	0.00	0%
Elementary School	0.00	0%
Other Asphalt Surfaces	48.3	100%
Other Non-Asphalt Surfaces	153	0%
Parking Lot	122	100%
City Park	0.00	0%
Apartments Low Rise	—	0%
Apartments Mid Rise	—	0%
Condo/Townhouse	—	0%
Single Family Housing	7.16	0%
Regional Shopping Center	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2038	0.00	247	0.03	< 0.005
2039	0.00	247	0.03	< 0.005
2040	0.00	247	0.03	< 0.005

2041	0.00	247	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Elementary School	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
Other Non-Asphalt Surfaces	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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	29,514	29,514	29,514	10,772,610	371,793	371,793	371,793	135,704,445
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Elementary School	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
Other Non-Asphalt Surfaces	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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Condo/Townhouse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	29,514	29,514	29,514	10,772,610	371,793	371,793	371,793	135,704,445
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	1131
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	133
Conventional Wood Stoves	0
Catalytic Wood Stoves	67
Non-Catalytic Wood Stoves	67

Pellet Wood Stoves	0
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	32
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	4
Conventional Wood Stoves	0
Catalytic Wood Stoves	2
Non-Catalytic Wood Stoves	2
Pellet Wood Stoves	0
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	1238
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	146
Conventional Wood Stoves	0
Catalytic Wood Stoves	73
Non-Catalytic Wood Stoves	73
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	553
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	65

Conventional Wood Stoves	0
Catalytic Wood Stoves	33
Non-Catalytic Wood Stoves	33
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	1131
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	133
Conventional Wood Stoves	0
Catalytic Wood Stoves	67
Non-Catalytic Wood Stoves	67
Pellet Wood Stoves	0
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	32
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	4
Conventional Wood Stoves	0
Catalytic Wood Stoves	2
Non-Catalytic Wood Stoves	2
Pellet Wood Stoves	0

Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	1238
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	146
Conventional Wood Stoves	0
Catalytic Wood Stoves	73
Non-Catalytic Wood Stoves	73
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	553
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	65
Conventional Wood Stoves	0
Catalytic Wood Stoves	33
Non-Catalytic Wood Stoves	33
Pellet Wood Stoves	0

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)
8622855	2,874,285	319,491	106,497	844,794

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	797,921	247	0.0330	0.0040	224,830
Elementary School	2,421,551	247	0.0330	0.0040	1,922,010
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Parking Lot	4,636,265	247	0.0330	0.0040	0.00
City Park	0.00	247	0.0330	0.0040	0.00
Apartments Low Rise	9,113,078	247	0.0330	0.0040	22,587,367
Apartments Mid Rise	215,048	247	0.0330	0.0040	489,927
Condo/Townhouse	10,671,230	247	0.0330	0.0040	30,358,585
Single Family Housing	6,070,508	247	0.0330	0.0040	23,116,804
Regional Shopping Center	930,361	247	0.0330	0.0040	422,434

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)
General Office Building	353,190	247	0.0330	0.0040	207,117
Elementary School	875,246	247	0.0330	0.0040	1,851,597
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Parking Lot	4,636,265	247	0.0330	0.0040	0.00
City Park	0.00	247	0.0330	0.0040	0.00
Apartments Low Rise	4,097,270	247	0.0330	0.0040	17,075,691
Apartments Mid Rise	97,427	247	0.0330	0.0040	369,774
Condo/Townhouse	4,818,061	247	0.0330	0.0040	22,938,696
Single Family Housing	4,545,612	247	0.0330	0.0040	17,970,345
Regional Shopping Center	378,492	247	0.0330	0.0040	398,076

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	3,728,854	0.00
Elementary School	3,743,027	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
City Park	0.00	185,284,166
Apartments Low Rise	54,136,795	0.00
Apartments Mid Rise	1,545,603	0.00
Condo/Townhouse	59,221,016	0.00

Single Family Housing	26,437,954	0.00
Regional Shopping Center	4,661,384	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	3,728,854	0.00
Elementary School	3,743,027	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
City Park	0.00	185,284,166
Apartments Low Rise	54,136,795	0.00
Apartments Mid Rise	1,545,603	0.00
Condo/Townhouse	59,221,016	0.00
Single Family Housing	26,437,954	0.00
Regional Shopping Center	4,661,384	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	19.5	—
Elementary School	282	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
City Park	8.77	—

Apartments Low Rise	984	—
Apartments Mid Rise	28.2	—
Condo/Townhouse	1,077	—
Single Family Housing	595	—
Regional Shopping Center	66.1	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	4.88	—
Elementary School	70.4	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
City Park	2.19	—
Apartments Low Rise	246	—
Apartments Mid Rise	7.04	—
Condo/Townhouse	269	—
Single Family Housing	149	—
Regional Shopping Center	16.5	—

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
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Elementary School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Elementary School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Elementary School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Elementary School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Elementary School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Elementary School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Elementary School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Elementary School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.5	annual days of extreme heat
Extreme Precipitation	0.85	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.15	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 $\frac{3}{4}$ 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	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A

Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—

AQ-Ozone	51.0
AQ-PM	9.06
AQ-DPM	1.39
Drinking Water	64.7
Lead Risk Housing	43.7
Pesticides	50.2
Toxic Releases	4.91
Traffic	12.8
Effect Indicators	—
CleanUp Sites	84.8
Groundwater	56.1
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	23.9
Solid Waste	99.2
Sensitive Population	—
Asthma	72.9
Cardio-vascular	94.2
Low Birth Weights	17.2
Socioeconomic Factor Indicators	—
Education	70.7
Housing	15.9
Linguistic	35.3
Poverty	80.1
Unemployment	—

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	15.27011421
Employed	36.37880149
Median HI	20.15911716
Education	—
Bachelor's or higher	26.78044399
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	82.44578468
Active commuting	45.97715899
Social	—
2-parent households	20.59540613
Voting	44.10368279
Neighborhood	—
Alcohol availability	97.0101373
Park access	19.59450789
Retail density	0.872577955
Supermarket access	6.351854228
Tree canopy	0.346464776
Housing	—
Homeownership	79.96920313
Housing habitability	86.07724881
Low-inc homeowner severe housing cost burden	66.38008469
Low-inc renter severe housing cost burden	98.0366996
Uncrowded housing	49.60862312

Health Outcomes	—
Insured adults	4.067753112
Arthritis	0.0
Asthma ER Admissions	24.0
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	2.5
Cognitively Disabled	18.3
Physically Disabled	14.9
Heart Attack ER Admissions	20.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	99.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	22.0
Elderly	16.0
English Speaking	46.5
Foreign-born	48.2
Outdoor Workers	5.8
Climate Change Adaptive Capacity	—
Impervious Surface Cover	91.8
Traffic Density	7.9
Traffic Access	23.0
Other Indices	—
Hardship	76.6
Other Decision Support	—
2016 Voting	47.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	57.0
Healthy Places Index Score for Project Location (b)	20.0
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
Characteristics: Project Details	Changed Locational Context from NA to Suburban to allow mitigation measures to be implemented in model. Input Start of Construction Based on schedule. No other changes made.
Land Use	Apartments Low Rise, Apartments Mid Rise, Condo/Townhouse, and Single Family Housing updated based on Plans. Drainage/Other Open Space shown as Non-Asphalt Surface. Roads shown as Other Asphalt Surface. Open Space/Landscape shown as City Park.
Construction: Construction Phases	Construction duration updated based on schedule. This shorter construction schedule is more conservative because more emissions will be generated per day. Revised schedule is consistent with TIA.
Construction: Off-Road Equipment	Increased construction equipment assumptions based on similar projects.
Construction: Architectural Coatings	SCAQMD Rule 1113 limits VOC in paint to 50 g/L
Operations: Hearths	SCAQMD Rule 445 prohibits the permanent installation of wood-burning devices in new residential developments.
Operations: Architectural Coatings	SCAQMD Rule 1113 limits VOC in paint to 50 g/L
Operations: Water and Waste Water	model error, parking lot outdoor water usage showed -18.765613966226578. water usage cannot be negative.
Operations: Refrigerants	City Park land use used to model open space; refrigeration has been removed.
Operations: Vehicle Data	Total Phase 5 trips calculated using Single Family Land Use. TIA shows trip generation = 29,514 and VMT = 371,793 therefore trip length= 12.597174 and annual VMT = 135,704,445

KPC Coachella Phase 6 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	KPC Coachella Phase 6
Construction Start Date	9/1/2041
Operational Year	2045
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.00
Precipitation (days)	7.60
Location	33.71014444743773, -116.11155798977975
County	Riverside-Salton Sea
City	Coachella
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5680
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.24

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

Elementary School	871	Student	1.67	72,819	0.00	0.00	—	—
Other Asphalt Surfaces	34.0	Acre	34.0	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	244	Acre	244	0.00	0.00	—	—	—
Parking Lot	24.0	Acre	24.0	0.00	0.00	—	—	—
City Park	85.4	Acre	85.4	0.00	3,720,024	3,720,024	—	—
Apartments Low Rise	714	Dwelling Unit	20.6	756,840	0.00	—	2,306	—
Single Family Housing	442	Dwelling Unit	134	861,900	0.00	—	1,428	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-2*	Limit Heavy-Duty Diesel Vehicle Idling
Construction	C-5	Use Advanced Engine Tiers
Construction	C-9	Use Dust Suppressants
Construction	C-10-A	Water Exposed Surfaces
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads
Construction	C-12	Sweep Paved Roads
Construction	C-13	Use Low-VOC Paints for Construction
Transportation	T-5	Implement Commute Trip Reduction Program (Voluntary)
Energy	E-1	Buildings Exceed 2019 Title 24 Building Envelope Energy Efficiency Standards
Energy	E-2	Require Energy Efficient Appliances
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power
Energy	E-12-B	Install Electric Space Heater in Place of Natural Gas Heaters in Residences
Energy	E-13	Install Electric Ranges in Place of Gas Ranges

Waste	S-1/S-2	Implement Waste Reduction Plan
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

* Qualitative or supporting measure. Emission reductions not included in the mitigated emissions results.

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.	39.9	38.5	54.2	127	0.18	1.01	39.8	40.8	0.93	20.3	21.3	—	27,946	27,946	0.66	0.58	5.51	28,141
Mit.	10.4	9.94	30.0	134	0.18	0.36	15.8	16.1	0.35	8.00	8.20	—	27,946	27,946	0.66	0.58	5.51	28,141
% Reduced	74%	74%	45%	-5%	—	65%	60%	61%	62%	61%	61%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	39.8	38.3	54.4	113	0.18	1.01	39.8	40.8	0.93	20.3	21.3	—	26,421	26,421	0.68	0.58	0.14	26,612
Mit.	10.2	9.78	30.2	119	0.18	0.36	15.8	16.1	0.35	8.00	8.20	—	26,421	26,421	0.68	0.58	0.14	26,612
% Reduced	74%	74%	45%	-5%	—	65%	60%	61%	62%	61%	61%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	26.1	25.4	34.0	74.4	0.12	0.49	10.4	10.9	0.44	4.80	5.03	—	17,572	17,572	0.43	0.40	1.57	17,704
Mit.	6.17	5.98	18.3	78.9	0.12	0.23	8.23	8.46	0.23	1.97	2.20	—	17,572	17,572	0.43	0.40	1.57	17,704

% Reduced	76%	76%	46%	-6%	—	52%	21%	23%	47%	59%	56%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.76	4.64	6.20	13.6	0.02	0.09	1.91	2.00	0.08	0.88	0.92	—	2,909	2,909	0.07	0.07	0.26	2,931
Mit.	1.13	1.09	3.34	14.4	0.02	0.04	1.50	1.54	0.04	0.36	0.40	—	2,909	2,909	0.07	0.07	0.26	2,931
% Reduced	76%	76%	46%	-6%	—	52%	21%	23%	47%	59%	56%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0	100	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	4.95	4.15	29.6	39.8	0.10	1.01	39.8	40.8	0.93	20.3	21.3	—	11,168	11,168	0.43	0.11	0.32	11,212
2042	5.85	4.81	36.4	91.0	0.13	0.85	18.9	19.8	0.78	7.43	8.22	—	21,487	21,487	0.53	0.52	5.44	21,659

2043	39.9	38.5	54.2	127	0.18	0.68	12.6	13.3	0.63	3.01	3.64	—	27,946	27,946	0.66	0.58	5.51	28,141
2044	39.9	38.4	54.0	127	0.18	0.66	12.6	13.3	0.61	3.01	3.62	—	27,869	27,869	0.66	0.58	4.66	28,064
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	4.94	4.15	29.6	43.0	0.12	1.01	39.8	40.8	0.93	20.3	21.3	—	13,423	13,423	0.53	0.13	0.01	13,474
2042	5.72	4.69	36.6	78.8	0.13	0.85	18.9	19.8	0.78	7.43	8.22	—	20,255	20,255	0.53	0.52	0.14	20,422
2043	39.8	38.3	54.4	113	0.18	0.68	12.6	13.3	0.63	3.01	3.64	—	26,421	26,421	0.68	0.58	0.14	26,612
2044	39.4	38.3	54.2	112	0.18	0.66	12.6	13.3	0.61	3.01	3.62	—	26,351	26,351	0.68	0.58	0.12	26,542
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	1.17	0.99	7.03	9.36	0.02	0.24	9.42	9.66	0.22	4.80	5.03	—	2,649	2,649	0.10	0.03	0.03	2,659
2042	3.74	3.10	21.5	44.6	0.09	0.49	10.4	10.9	0.44	3.54	3.98	—	12,201	12,201	0.36	0.23	0.88	12,280
2043	16.7	15.8	34.0	74.4	0.12	0.43	8.23	8.66	0.40	1.97	2.37	—	17,572	17,572	0.43	0.40	1.57	17,704
2044	26.1	25.4	23.7	50.6	0.08	0.27	5.54	5.81	0.25	1.32	1.57	—	11,522	11,522	0.28	0.23	0.88	11,598
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	0.21	0.18	1.28	1.71	< 0.005	0.04	1.72	1.76	0.04	0.88	0.92	—	439	439	0.02	< 0.005	0.01	440
2042	0.68	0.57	3.93	8.15	0.02	0.09	1.91	2.00	0.08	0.65	0.73	—	2,020	2,020	0.06	0.04	0.15	2,033
2043	3.05	2.88	6.20	13.6	0.02	0.08	1.50	1.58	0.07	0.36	0.43	—	2,909	2,909	0.07	0.07	0.26	2,931
2044	4.76	4.64	4.32	9.24	0.01	0.05	1.01	1.06	0.05	0.24	0.29	—	1,908	1,908	0.05	0.04	0.15	1,920

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	1.08	1.06	5.38	58.1	0.10	0.20	15.8	16.1	0.20	8.00	8.20	—	11,168	11,168	0.43	0.11	0.32	11,212
2042	2.83	2.47	19.3	96.6	0.13	0.30	10.4	10.7	0.27	2.97	3.22	—	21,487	21,487	0.53	0.52	5.44	21,659

2043	10.4	9.94	30.0	134	0.18	0.36	12.6	13.0	0.35	3.01	3.36	—	27,946	27,946	0.66	0.58	5.51	28,141
2044	10.3	9.89	29.9	133	0.18	0.36	12.6	13.0	0.35	3.01	3.36	—	27,869	27,869	0.66	0.58	4.66	28,064
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	1.31	1.29	7.75	69.6	0.12	0.25	15.8	16.1	0.24	8.00	8.20	—	13,423	13,423	0.53	0.13	0.01	13,474
2042	2.71	2.35	19.6	84.4	0.13	0.30	10.4	10.7	0.27	2.97	3.22	—	20,255	20,255	0.53	0.52	0.14	20,422
2043	10.2	9.78	30.2	119	0.18	0.36	12.6	13.0	0.35	3.01	3.36	—	26,421	26,421	0.68	0.58	0.14	26,612
2044	9.84	9.76	30.1	118	0.18	0.36	12.6	13.0	0.35	3.01	3.36	—	26,351	26,351	0.68	0.58	0.12	26,542
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	0.25	0.25	1.28	13.7	0.02	0.05	3.75	3.80	0.05	1.89	1.94	—	2,649	2,649	0.10	0.03	0.03	2,659
2042	1.45	1.31	9.70	56.4	0.09	0.20	6.43	6.62	0.18	1.94	2.13	—	12,201	12,201	0.36	0.23	0.88	12,280
2043	4.81	4.52	18.3	78.9	0.12	0.23	8.23	8.46	0.23	1.97	2.20	—	17,572	17,572	0.43	0.40	1.57	17,704
2044	6.17	5.98	13.9	52.6	0.08	0.15	5.54	5.69	0.15	1.32	1.47	—	11,522	11,522	0.28	0.23	0.88	11,598
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041	0.05	0.05	0.23	2.51	< 0.005	0.01	0.68	0.69	0.01	0.35	0.35	—	439	439	0.02	< 0.005	0.01	440
2042	0.26	0.24	1.77	10.3	0.02	0.04	1.17	1.21	0.03	0.35	0.39	—	2,020	2,020	0.06	0.04	0.15	2,033
2043	0.88	0.82	3.34	14.4	0.02	0.04	1.50	1.54	0.04	0.36	0.40	—	2,909	2,909	0.07	0.07	0.26	2,931
2044	1.13	1.09	2.54	9.61	0.01	0.03	1.01	1.04	0.03	0.24	0.27	—	1,908	1,908	0.05	0.04	0.15	1,920

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.	73.7	70.1	47.3	332	0.90	2.33	75.2	77.5	2.30	19.1	21.4	686	114,931	115,618	72.9	3.54	31.3	118,528
Mit.	61.5	58.4	45.0	263	0.89	2.16	75.2	77.4	2.14	19.1	21.2	242	109,575	109,818	27.9	3.49	31.3	111,586

% Reduced	17%	17%	5%	21%	1%	7%	—	< 0.5%	7%	—	1%	65%	5%	5%	62%	2%	—	6%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	64.7	61.5	48.6	180	0.82	2.29	75.2	77.5	2.27	19.1	21.3	686	106,240	106,927	72.9	3.62	12.4	109,842
Mit.	59.1	56.0	47.0	180	0.81	2.16	75.2	77.4	2.14	19.1	21.2	242	101,050	101,292	27.9	3.57	12.4	103,067
% Reduced	9%	9%	3%	< 0.5%	1%	6%	—	< 0.5%	6%	—	1%	65%	5%	5%	62%	1%	—	6%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	66.8	64.3	32.8	234	0.76	1.08	74.8	75.9	1.06	19.0	20.0	686	90,414	91,101	72.5	3.53	20.3	93,986
Mit.	57.9	55.7	30.8	200	0.74	0.93	74.8	75.8	0.91	19.0	19.9	242	85,143	85,385	27.5	3.48	20.3	87,129
% Reduced	13%	13%	6%	15%	2%	14%	—	< 0.5%	14%	—	1%	65%	6%	6%	62%	2%	—	7%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.2	11.7	5.98	42.8	0.14	0.20	13.7	13.9	0.19	3.46	3.66	114	14,969	15,083	12.0	0.58	3.36	15,560
Mit.	10.6	10.2	5.62	36.4	0.14	0.17	13.7	13.8	0.17	3.46	3.63	40.1	14,096	14,136	4.56	0.58	3.36	14,425
% Reduced	13%	13%	6%	15%	2%	14%	—	< 0.5%	14%	—	1%	65%	6%	6%	62%	2%	—	7%
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	55.0	55.0	550	150	—	—	150	—	—	55.0	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Mit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,000
Unmit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes
Mit.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yes

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	21.6	19.8	23.0	253	0.75	0.38	75.2	75.6	0.36	19.1	19.4	—	76,660	76,660	1.73	3.13	19.5	77,654
Area	51.2	49.9	16.9	76.0	0.11	1.35	—	1.35	1.34	—	1.34	0.00	20,878	20,878	0.40	0.04	—	20,900
Energy	0.85	0.43	7.32	3.24	0.05	0.59	—	0.59	0.59	—	0.59	—	16,899	16,899	1.84	0.14	—	16,987
Water	—	—	—	—	—	—	—	—	—	—	—	94.1	494	589	9.72	0.24	—	902
Waste	—	—	—	—	—	—	—	—	—	—	—	592	0.00	592	59.2	0.00	—	2,072
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9	11.9
Total	73.7	70.1	47.3	332	0.90	2.33	75.2	77.5	2.30	19.1	21.4	686	114,931	115,618	72.9	3.54	31.3	118,528
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.2	17.4	25.0	170	0.67	0.38	75.2	75.6	0.36	19.1	19.4	—	68,157	68,157	1.79	3.21	0.50	69,158
Area	44.6	43.7	16.3	6.94	0.10	1.32	—	1.32	1.32	—	1.32	0.00	20,690	20,690	0.39	0.04	—	20,711
Energy	0.85	0.43	7.32	3.24	0.05	0.59	—	0.59	0.59	—	0.59	—	16,899	16,899	1.84	0.14	—	16,987

Water	—	—	—	—	—	—	—	—	—	—	—	94.1	494	589	9.72	0.24	—	902
Waste	—	—	—	—	—	—	—	—	—	—	—	592	0.00	592	59.2	0.00	—	2,072
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9	11.9
Total	64.7	61.5	48.6	180	0.82	2.29	75.2	77.5	2.27	19.1	21.3	686	106,240	106,927	72.9	3.62	12.4	109,842
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.8	18.0	24.0	197	0.70	0.38	74.8	75.2	0.36	19.0	19.3	—	71,511	71,511	1.74	3.15	8.40	72,501
Area	46.1	45.8	1.43	34.5	0.01	0.11	—	0.11	0.10	—	0.10	0.00	1,510	1,510	0.03	< 0.005	—	1,512
Energy	0.85	0.43	7.32	3.24	0.05	0.59	—	0.59	0.59	—	0.59	—	16,899	16,899	1.84	0.14	—	16,987
Water	—	—	—	—	—	—	—	—	—	—	—	94.1	494	589	9.72	0.24	—	902
Waste	—	—	—	—	—	—	—	—	—	—	—	592	0.00	592	59.2	0.00	—	2,072
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9	11.9
Total	66.8	64.3	32.8	234	0.76	1.08	74.8	75.9	1.06	19.0	20.0	686	90,414	91,101	72.5	3.53	20.3	93,986
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.62	3.29	4.38	35.9	0.13	0.07	13.7	13.7	0.07	3.46	3.53	—	11,839	11,839	0.29	0.52	1.39	12,003
Area	8.41	8.37	0.26	6.30	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	250	250	0.01	< 0.005	—	250
Energy	0.16	0.08	1.34	0.59	0.01	0.11	—	0.11	0.11	—	0.11	—	2,798	2,798	0.30	0.02	—	2,812
Water	—	—	—	—	—	—	—	—	—	—	—	15.6	81.9	97.4	1.61	0.04	—	149
Waste	—	—	—	—	—	—	—	—	—	—	—	98.1	0.00	98.1	9.80	0.00	—	343
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.97	1.97
Total	12.2	11.7	5.98	42.8	0.14	0.20	13.7	13.9	0.19	3.46	3.66	114	14,969	15,083	12.0	0.58	3.36	15,560

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	21.6	19.8	23.0	253	0.75	0.38	75.2	75.6	0.36	19.1	19.4	—	76,660	76,660	1.73	3.13	19.5	77,654
Area	39.2	38.3	16.3	6.94	0.10	1.32	—	1.32	1.32	—	1.32	0.00	20,690	20,690	0.39	0.04	—	20,711
Energy	0.66	0.33	5.68	2.53	0.04	0.46	—	0.46	0.46	—	0.46	—	11,732	11,732	1.24	0.09	—	11,789
Water	—	—	—	—	—	—	—	—	—	—	—	94.1	494	589	9.72	0.24	—	902
Waste	—	—	—	—	—	—	—	—	—	—	—	148	0.00	148	14.8	0.00	—	518
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9	11.9
Total	61.5	58.4	45.0	263	0.89	2.16	75.2	77.4	2.14	19.1	21.2	242	109,575	109,818	27.9	3.49	31.3	111,586
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.2	17.4	25.0	170	0.67	0.38	75.2	75.6	0.36	19.1	19.4	—	68,157	68,157	1.79	3.21	0.50	69,158
Area	39.2	38.3	16.3	6.94	0.10	1.32	—	1.32	1.32	—	1.32	0.00	20,690	20,690	0.39	0.04	—	20,711
Energy	0.66	0.33	5.68	2.53	0.04	0.46	—	0.46	0.46	—	0.46	—	11,709	11,709	1.24	0.09	—	11,766
Water	—	—	—	—	—	—	—	—	—	—	—	94.1	494	589	9.72	0.24	—	902
Waste	—	—	—	—	—	—	—	—	—	—	—	148	0.00	148	14.8	0.00	—	518
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9	11.9
Total	59.1	56.0	47.0	180	0.81	2.16	75.2	77.4	2.14	19.1	21.2	242	101,050	101,292	27.9	3.57	12.4	103,067
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	19.8	18.0	24.0	197	0.70	0.38	74.8	75.2	0.36	19.0	19.3	—	71,511	71,511	1.74	3.15	8.40	72,501
Area	37.4	37.4	1.12	0.48	0.01	0.09	—	0.09	0.09	—	0.09	0.00	1,417	1,417	0.03	< 0.005	—	1,419
Energy	0.66	0.33	5.68	2.53	0.04	0.46	—	0.46	0.46	—	0.46	—	11,720	11,720	1.24	0.09	—	11,777
Water	—	—	—	—	—	—	—	—	—	—	—	94.1	494	589	9.72	0.24	—	902
Waste	—	—	—	—	—	—	—	—	—	—	—	148	0.00	148	14.8	0.00	—	518
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9	11.9
Total	57.9	55.7	30.8	200	0.74	0.93	74.8	75.8	0.91	19.0	19.9	242	85,143	85,385	27.5	3.48	20.3	87,129
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.62	3.29	4.38	35.9	0.13	0.07	13.7	13.7	0.07	3.46	3.53	—	11,839	11,839	0.29	0.52	1.39	12,003
Area	6.83	6.82	0.20	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	235	235	< 0.005	< 0.005	—	235

Energy	0.12	0.06	1.04	0.46	0.01	0.08	—	0.08	0.08	—	0.08	—	1,940	1,940	0.21	0.01	—	1,950
Water	—	—	—	—	—	—	—	—	—	—	—	15.6	81.9	97.4	1.61	0.04	—	149
Waste	—	—	—	—	—	—	—	—	—	—	—	24.5	0.00	24.5	2.45	0.00	—	85.8
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.97	1.97
Total	10.6	10.2	5.62	36.4	0.14	0.17	13.7	13.8	0.17	3.46	3.63	40.1	14,096	14,136	4.56	0.58	3.36	14,425

3. Construction Emissions Details

3.1. Site Preparation (2041) - 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	4.87	4.09	29.4	38.3	0.10	1.01	—	1.01	0.93	—	0.93	—	10,592	10,592	0.43	0.09	—	10,628
Dust From Material Movement	—	—	—	—	—	—	39.3	39.3	—	20.2	20.2	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.87	4.09	29.4	38.3	0.10	1.01	—	1.01	0.93	—	0.93	—	10,592	10,592	0.43	0.09	—	10,628
Dust From Material Movement	—	—	—	—	—	—	39.3	39.3	—	20.2	20.2	—	—	—	—	—	—	—

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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.96	6.93	9.02	0.02	0.24	—	0.24	0.22	—	0.22	—	2,496	2,496	0.10	0.02	—	2,504
Dust From Material Movement	—	—	—	—	—	—	9.26	9.26	—	4.76	4.76	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	1.26	1.65	< 0.005	0.04	—	0.04	0.04	—	0.04	—	413	413	0.02	< 0.005	—	415
Dust From Material Movement	—	—	—	—	—	—	1.69	1.69	—	0.87	0.87	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.04	1.43	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	425	425	< 0.005	< 0.005	0.24	426
Vendor	0.01	0.01	0.16	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	151	151	< 0.005	0.02	0.08	157
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.07	0.05	0.06	0.80	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	363	363	< 0.005	< 0.005	0.01	364
Vendor	0.01	0.01	0.17	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	151	151	< 0.005	0.02	< 0.005	157

Hauling	0.00	0.00	0.00	0.00	0.00	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	0.24	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	91.3	91.3	< 0.005	< 0.005	0.02	91.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.5	35.5	< 0.005	0.01	0.01	37.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.00	< 0.005	< 0.005	—	15.1	15.1	< 0.005	< 0.005	< 0.005	15.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.88	5.88	< 0.005	< 0.005	< 0.005	6.14
Hauling	0.00	0.00	0.00	0.00	0.00	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. Site Preparation (2041) - 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	1.00	1.00	5.18	56.6	0.10	0.20	—	0.20	0.20	—	0.20	—	10,592	10,592	0.43	0.09	—	10,628
Dust From Material Movement	—	—	—	—	—	—	15.3	15.3	—	7.88	7.88	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	1.00	5.18	56.6	0.10	0.20	—	0.20	0.20	—	0.20	—	10,592	10,592	0.43	0.09	—	10,628

Dust From Material Movement	—	—	—	—	—	—	15.3	15.3	—	7.88	7.88	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.22	13.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,496	2,496	0.10	0.02	—	2,504
Dust From Material Movement	—	—	—	—	—	—	3.61	3.61	—	1.86	1.86	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.22	2.43	< 0.005	0.01	—	0.01	0.01	—	0.01	—	413	413	0.02	< 0.005	—	415
Dust From Material Movement	—	—	—	—	—	—	0.66	0.66	—	0.34	0.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	1.43	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	425	425	< 0.005	< 0.005	0.24	426
Vendor	0.01	0.01	0.16	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	151	151	< 0.005	0.02	0.08	157
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.07	0.05	0.06	0.80	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	363	363	< 0.005	< 0.005	0.01	364
Vendor	0.01	0.01	0.17	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	151	151	< 0.005	0.02	< 0.005	157
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.24	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	91.3	91.3	< 0.005	< 0.005	0.02	91.5
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.5	35.5	< 0.005	0.01	0.01	37.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.02	0.02	0.00	< 0.005	< 0.005	—	15.1	15.1	< 0.005	< 0.005	< 0.005	15.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.88	5.88	< 0.005	< 0.005	< 0.005	6.14
Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (2041) - 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	4.70	3.95	24.3	42.1	0.12	0.88	—	0.88	0.81	—	0.81	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.3	25.3	< 0.005	< 0.005	—	25.3
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.18	4.18	< 0.005	< 0.005	—	4.20
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.05	0.06	0.80	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	363	363	< 0.005	< 0.005	0.01	364
Vendor	0.01	0.01	0.17	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	151	151	< 0.005	0.02	< 0.005	157
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.76
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.31

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.13	0.13	< 0.005	< 0.005	< 0.005	0.13
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (2041) - 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	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.3	25.3	< 0.005	< 0.005	—	25.3
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.18	4.18	< 0.005	< 0.005	—	4.20
Dust From Material Movement	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.05	0.06	0.80	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	363	363	< 0.005	< 0.005	0.01	364
Vendor	0.01	0.01	0.17	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	151	151	< 0.005	0.02	< 0.005	157
Hauling	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.76
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.31
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.13	0.13	< 0.005	< 0.005	< 0.005	0.13
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (2042) - 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	4.65	3.91	23.6	41.4	0.12	0.85	—	0.85	0.78	—	0.78	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.65	3.91	23.6	41.4	0.12	0.85	—	0.85	0.78	—	0.78	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	18.4	18.4	—	7.31	7.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.66	1.40	8.46	14.8	0.04	0.30	—	0.30	0.28	—	0.28	—	4,623	4,623	0.19	0.04	—	4,639
Dust From Material Movement	—	—	—	—	—	—	6.59	6.59	—	2.62	2.62	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.30	0.26	1.54	2.71	0.01	0.06	—	0.06	0.05	—	0.05	—	765	765	0.03	0.01	—	768
Dust From Material Movement	—	—	—	—	—	—	1.20	1.20	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.05	0.04	1.40	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	423	423	< 0.005	< 0.005	0.21	424
Vendor	0.01	0.01	0.16	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	148	148	< 0.005	0.02	0.06	155
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.04	0.79	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	361	361	< 0.005	< 0.005	0.01	362
Vendor	0.01	0.01	0.17	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	149	149	< 0.005	0.02	< 0.005	155
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.01	0.35	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	138	138	< 0.005	< 0.005	0.03	138
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	53.2	53.2	< 0.005	0.01	0.01	55.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.00	0.01	0.01	—	22.9	22.9	< 0.005	< 0.005	0.01	22.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.81	8.81	< 0.005	< 0.005	< 0.005	9.17

Hauling	0.00	0.00	0.00	0.00	0.00	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. Grading (2042) - 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	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.24	1.24	7.52	68.7	0.12	0.24	—	0.24	0.24	—	0.24	—	12,908	12,908	0.52	0.10	—	12,953
Dust From Material Movement	—	—	—	—	—	—	7.18	7.18	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.44	2.69	24.6	0.04	0.09	—	0.09	0.09	—	0.09	—	4,623	4,623	0.19	0.04	—	4,639

Dust From Material Movement	—	—	—	—	—	—	2.57	2.57	—	1.02	1.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.49	4.49	0.01	0.02	—	0.02	0.02	—	0.02	—	765	765	0.03	0.01	—	768
Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.19	0.19	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.05	0.04	1.40	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	423	423	< 0.005	< 0.005	0.21	424
Vendor	0.01	0.01	0.16	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	148	148	< 0.005	0.02	0.06	155
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.04	0.79	0.00	0.00	0.46	0.46	0.00	0.11	0.11	—	361	361	< 0.005	< 0.005	0.01	362
Vendor	0.01	0.01	0.17	0.07	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	149	149	< 0.005	0.02	< 0.005	155
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.01	0.35	0.00	0.00	0.16	0.16	0.00	0.04	0.04	—	138	138	< 0.005	< 0.005	0.03	138
Vendor	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	53.2	53.2	< 0.005	0.01	0.01	55.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.00	0.01	0.01	—	22.9	22.9	< 0.005	< 0.005	0.01	22.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.81	8.81	< 0.005	< 0.005	< 0.005	9.17
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction (2042) - 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	4.32	3.60	32.5	61.6	0.10	0.45	—	0.45	0.41	—	0.41	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.32	3.60	32.5	61.6	0.10	0.45	—	0.45	0.41	—	0.41	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.54	1.28	11.6	21.9	0.04	0.16	—	0.16	0.15	—	0.15	—	3,601	3,601	0.15	0.03	—	3,613
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.28	0.23	2.11	4.00	0.01	0.03	—	0.03	0.03	—	0.03	—	596	596	0.02	< 0.005	—	598

Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.39	1.09	0.85	28.1	0.00	0.00	9.20	9.20	0.00	2.16	2.16	—	8,503	8,503	0.05	0.05	4.23	8,522
Vendor	0.14	0.12	3.00	1.31	0.03	0.06	1.16	1.22	0.03	0.32	0.35	—	2,874	2,874	0.02	0.39	1.21	2,992
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.28	0.98	0.85	15.8	0.00	0.00	9.20	9.20	0.00	2.16	2.16	—	7,266	7,266	0.06	0.05	0.11	7,282
Vendor	0.13	0.11	3.26	1.36	0.03	0.06	1.16	1.22	0.03	0.32	0.35	—	2,878	2,878	0.02	0.39	0.03	2,995
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.47	0.36	0.30	7.02	0.00	0.00	3.26	3.26	0.00	0.76	0.76	—	2,762	2,762	0.02	0.02	0.65	2,768
Vendor	0.05	0.04	1.13	0.47	0.01	0.02	0.41	0.43	0.01	0.11	0.12	—	1,024	1,024	0.01	0.14	0.19	1,066
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.07	0.05	1.28	0.00	0.00	0.60	0.60	0.00	0.14	0.14	—	457	457	< 0.005	< 0.005	0.11	458
Vendor	0.01	0.01	0.21	0.09	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	170	170	< 0.005	0.02	0.03	176
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction (2042) - 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	1.30	1.26	15.4	67.2	0.10	0.24	—	0.24	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.30	1.26	15.4	67.2	0.10	0.24	—	0.24	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.46	0.45	5.50	23.9	0.04	0.09	—	0.09	0.09	—	0.09	—	3,601	3,601	0.15	0.03	—	3,613
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	1.00	4.37	0.01	0.02	—	0.02	0.02	—	0.02	—	596	596	0.02	< 0.005	—	598
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.39	1.09	0.85	28.1	0.00	0.00	9.20	9.20	0.00	2.16	2.16	—	8,503	8,503	0.05	0.05	4.23	8,522
Vendor	0.14	0.12	3.00	1.31	0.03	0.06	1.16	1.22	0.03	0.32	0.35	—	2,874	2,874	0.02	0.39	1.21	2,992
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.28	0.98	0.85	15.8	0.00	0.00	9.20	9.20	0.00	2.16	2.16	—	7,266	7,266	0.06	0.05	0.11	7,282
Vendor	0.13	0.11	3.26	1.36	0.03	0.06	1.16	1.22	0.03	0.32	0.35	—	2,878	2,878	0.02	0.39	0.03	2,995
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.47	0.36	0.30	7.02	0.00	0.00	3.26	3.26	0.00	0.76	0.76	—	2,762	2,762	0.02	0.02	0.65	2,768
Vendor	0.05	0.04	1.13	0.47	0.01	0.02	0.41	0.43	0.01	0.11	0.12	—	1,024	1,024	0.01	0.14	0.19	1,066
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.07	0.05	1.28	0.00	0.00	0.60	0.60	0.00	0.14	0.14	—	457	457	< 0.005	< 0.005	0.11	458
Vendor	0.01	0.01	0.21	0.09	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	170	170	< 0.005	0.02	0.03	176
Hauling	0.00	0.00	0.00	0.00	0.00	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. Building Construction (2043) - 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	4.30	3.59	32.4	61.5	0.10	0.43	—	0.43	0.40	—	0.40	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.30	3.59	32.4	61.5	0.10	0.43	—	0.43	0.40	—	0.40	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	3.07	2.56	23.1	43.9	0.07	0.31	—	0.31	0.28	—	0.28	—	7,222	7,222	0.29	0.06	—	7,246
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.56	0.47	4.22	8.02	0.01	0.06	—	0.06	0.05	—	0.05	—	1,196	1,196	0.05	0.01	—	1,200
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.37	1.07	0.85	27.5	0.00	0.00	9.20	9.20	0.00	2.16	2.16	—	8,464	8,464	0.05	0.05	3.63	8,483
Vendor	0.14	0.12	3.00	1.31	0.03	0.03	1.13	1.16	0.03	0.32	0.35	—	2,836	2,836	0.02	0.39	0.96	2,953
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.26	0.95	0.85	15.4	0.00	0.00	9.20	9.20	0.00	2.16	2.16	—	7,234	7,234	0.06	0.05	0.09	7,249
Vendor	0.13	0.11	3.22	1.36	0.03	0.03	1.13	1.16	0.03	0.32	0.35	—	2,840	2,840	0.02	0.39	0.03	2,957
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.91	0.70	0.60	13.8	0.00	0.00	6.54	6.54	0.00	1.53	1.53	—	5,514	5,514	0.03	0.03	1.12	5,526
Vendor	0.10	0.08	2.24	0.95	0.02	0.02	0.80	0.82	0.02	0.23	0.25	—	2,027	2,027	0.01	0.28	0.30	2,110

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.13	0.11	2.53	0.00	0.00	1.19	1.19	0.00	0.28	0.28	—	913	913	0.01	0.01	0.19	915
Vendor	0.02	0.01	0.41	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	336	336	< 0.005	0.05	0.05	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2043) - 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	1.30	1.26	15.4	67.2	0.10	0.24	—	0.24	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.30	1.26	15.4	67.2	0.10	0.24	—	0.24	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.93	0.90	11.0	48.0	0.07	0.17	—	0.17	0.17	—	0.17	—	7,222	7,222	0.29	0.06	—	7,246
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.17	0.16	2.01	8.76	0.01	0.03	—	0.03	0.03	—	0.03	—	1,196	1,196	0.05	0.01	—	1,200
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.37	1.07	0.85	27.5	0.00	0.00	9.20	9.20	0.00	2.16	2.16	—	8,464	8,464	0.05	0.05	3.63	8,483
Vendor	0.14	0.12	3.00	1.31	0.03	0.03	1.13	1.16	0.03	0.32	0.35	—	2,836	2,836	0.02	0.39	0.96	2,953
Hauling	0.00	0.00	0.00	0.00	0.00	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	1.26	0.95	0.85	15.4	0.00	0.00	9.20	9.20	0.00	2.16	2.16	—	7,234	7,234	0.06	0.05	0.09	7,249
Vendor	0.13	0.11	3.22	1.36	0.03	0.03	1.13	1.16	0.03	0.32	0.35	—	2,840	2,840	0.02	0.39	0.03	2,957
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.91	0.70	0.60	13.8	0.00	0.00	6.54	6.54	0.00	1.53	1.53	—	5,514	5,514	0.03	0.03	1.12	5,526
Vendor	0.10	0.08	2.24	0.95	0.02	0.02	0.80	0.82	0.02	0.23	0.25	—	2,027	2,027	0.01	0.28	0.30	2,110
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.13	0.11	2.53	0.00	0.00	1.19	1.19	0.00	0.28	0.28	—	913	913	0.01	0.01	0.19	915
Vendor	0.02	0.01	0.41	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	336	336	< 0.005	0.05	0.05	349
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2044) - 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	4.28	3.57	32.2	61.4	0.10	0.42	—	0.42	0.38	—	0.38	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	4.28	3.57	32.2	61.4	0.10	0.42	—	0.42	0.38	—	0.38	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.69	1.41	12.7	24.3	0.04	0.16	—	0.16	0.15	—	0.15	—	3,997	3,997	0.16	0.03	—	4,010
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.31	0.26	2.32	4.43	0.01	0.03	—	0.03	0.03	—	0.03	—	662	662	0.03	0.01	—	664
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.33	1.02	0.84	27.2	0.00	0.00	9.20	9.20	0.00	2.16	2.16	—	8,431	8,431	0.05	0.05	3.11	8,449
Vendor	0.14	0.12	2.96	1.30	0.03	0.03	1.13	1.16	0.03	0.32	0.35	—	2,802	2,802	0.02	0.39	0.76	2,919
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.95	0.93	0.84	15.1	0.00	0.00	9.20	9.20	0.00	2.16	2.16	—	7,206	7,206	0.06	0.05	0.08	7,221
Vendor	0.13	0.11	3.19	1.36	0.03	0.03	1.13	1.16	0.03	0.32	0.35	—	2,806	2,806	0.02	0.39	0.02	2,923
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.50	0.38	0.33	7.53	0.00	0.00	3.62	3.62	0.00	0.85	0.85	—	3,040	3,040	0.02	0.01	0.53	3,044
Vendor	0.05	0.04	1.24	0.52	0.01	0.01	0.44	0.46	0.01	0.13	0.14	—	1,108	1,108	0.01	0.15	0.13	1,154
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.07	0.06	1.37	0.00	0.00	0.66	0.66	0.00	0.15	0.15	—	503	503	< 0.005	< 0.005	0.09	504
Vendor	0.01	0.01	0.23	0.10	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	183	183	< 0.005	0.03	0.02	191
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2044) - 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	1.30	1.26	15.4	67.2	0.10	0.24	—	0.24	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.30	1.26	15.4	67.2	0.10	0.24	—	0.24	0.24	—	0.24	—	10,110	10,110	0.41	0.08	—	10,145
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.52	0.50	6.11	26.6	0.04	0.10	—	0.10	0.09	—	0.09	—	3,997	3,997	0.16	0.03	—	4,010
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	1.11	4.85	0.01	0.02	—	0.02	0.02	—	0.02	—	662	662	0.03	0.01	—	664
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.33	1.02	0.84	27.2	0.00	0.00	9.20	9.20	0.00	2.16	2.16	—	8,431	8,431	0.05	0.05	3.11	8,449
Vendor	0.14	0.12	2.96	1.30	0.03	0.03	1.13	1.16	0.03	0.32	0.35	—	2,802	2,802	0.02	0.39	0.76	2,919
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.95	0.93	0.84	15.1	0.00	0.00	9.20	9.20	0.00	2.16	2.16	—	7,206	7,206	0.06	0.05	0.08	7,221
Vendor	0.13	0.11	3.19	1.36	0.03	0.03	1.13	1.16	0.03	0.32	0.35	—	2,806	2,806	0.02	0.39	0.02	2,923
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.50	0.38	0.33	7.53	0.00	0.00	3.62	3.62	0.00	0.85	0.85	—	3,040	3,040	0.02	0.01	0.53	3,044
Vendor	0.05	0.04	1.24	0.52	0.01	0.01	0.44	0.46	0.01	0.13	0.14	—	1,108	1,108	0.01	0.15	0.13	1,154

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.07	0.06	1.37	0.00	0.00	0.66	0.66	0.00	0.15	0.15	—	503	503	< 0.005	< 0.005	0.09	504
Vendor	0.01	0.01	0.23	0.10	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	183	183	< 0.005	0.03	0.02	191
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2043) - 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	1.11	0.93	10.2	19.4	0.03	0.18	—	0.18	0.16	—	0.16	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.11	0.93	10.2	19.4	0.03	0.18	—	0.18	0.16	—	0.16	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.56	0.47	5.19	9.86	0.01	0.09	—	0.09	0.08	—	0.08	—	1,531	1,531	0.06	0.01	—	1,537
Paving	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.95	1.80	< 0.005	0.02	—	0.02	0.01	—	0.01	—	254	254	0.01	< 0.005	—	254
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	1.17	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	361	361	< 0.005	< 0.005	0.15	362
Vendor	0.01	0.01	0.13	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	126	126	< 0.005	0.02	0.04	131
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.66	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	308	308	< 0.005	< 0.005	< 0.005	309
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	126	126	< 0.005	0.02	< 0.005	131
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.02	0.02	0.42	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	167	167	< 0.005	< 0.005	0.03	167
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	63.7	63.7	< 0.005	0.01	0.01	66.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	27.6	27.6	< 0.005	< 0.005	0.01	27.7
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	< 0.005	11.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2043) - 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.16	0.16	1.96	10.7	0.01	0.03	—	0.03	0.03	—	0.03	—	1,531	1,531	0.06	0.01	—	1,537
Paving	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.36	1.96	< 0.005	0.01	—	0.01	0.01	—	0.01	—	254	254	0.01	< 0.005	—	254
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	1.17	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	361	361	< 0.005	< 0.005	0.15	362
Vendor	0.01	0.01	0.13	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	126	126	< 0.005	0.02	0.04	131
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.66	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	308	308	< 0.005	< 0.005	< 0.005	309
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	126	126	< 0.005	0.02	< 0.005	131
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.02	0.02	0.42	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	167	167	< 0.005	< 0.005	0.03	167
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	63.7	63.7	< 0.005	0.01	0.01	66.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	< 0.005	< 0.005	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	27.6	27.6	< 0.005	< 0.005	0.01	27.7
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	< 0.005	11.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Paving (2044) - 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	1.10	0.92	10.2	19.4	0.03	0.17	—	0.17	0.16	—	0.16	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.10	0.92	10.2	19.4	0.03	0.17	—	0.17	0.16	—	0.16	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.35	3.90	7.42	0.01	0.07	—	0.07	0.06	—	0.06	—	1,153	1,153	0.05	0.01	—	1,157
Paving	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.71	1.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	191	191	0.01	< 0.005	—	192
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.04	0.04	1.16	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	359	359	< 0.005	< 0.005	0.13	360
Vendor	0.01	0.01	0.13	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	124	124	< 0.005	0.02	0.03	129
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.04	0.04	0.04	0.64	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	307	307	< 0.005	< 0.005	< 0.005	308
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	124	124	< 0.005	0.02	< 0.005	129
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.01	0.31	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	125	125	< 0.005	< 0.005	0.02	125
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	47.4	47.4	< 0.005	0.01	0.01	49.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.00	0.01	0.01	—	20.7	20.7	< 0.005	< 0.005	< 0.005	20.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.84	7.84	< 0.005	< 0.005	< 0.005	8.17
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Paving (2044) - 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032	
Paving	0.47	0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.12	0.12	1.48	8.09	0.01	0.02	—	0.02	0.02	—	0.02	—	1,153	1,153	0.05	0.01	—	1,157	
Paving	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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.27	1.48	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	191	191	0.01	< 0.005	—	192	
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.04	0.04	1.16	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	359	359	< 0.005	< 0.005	0.13	360	
Vendor	0.01	0.01	0.13	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	124	124	< 0.005	0.02	0.03	129	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.04	0.04	0.04	0.64	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	307	307	< 0.005	< 0.005	< 0.005	308
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	124	124	< 0.005	0.02	< 0.005	129
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.01	0.31	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	125	125	< 0.005	< 0.005	0.02	125
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	47.4	47.4	< 0.005	0.01	0.01	49.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	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	0.03	0.03	0.00	0.01	0.01	—	20.7	20.7	< 0.005	< 0.005	< 0.005	20.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.84	7.84	< 0.005	< 0.005	< 0.005	8.17
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Architectural Coating (2043) - 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	1.08	0.89	7.42	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	31.1	31.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1.08	0.89	7.42	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	31.1	31.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.39	0.32	2.70	3.98	0.01	0.01	—	0.01	0.01	—	0.01	—	486	486	0.02	< 0.005	—	488
Architectural Coatings	11.3	11.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.49	0.73	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	80.5	80.5	< 0.005	< 0.005	—	80.7
Architectural Coatings	2.07	2.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.21	0.17	5.50	0.00	0.00	1.84	1.84	0.00	0.43	0.43	—	1,693	1,693	0.01	0.01	0.73	1,697
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	0.25	0.19	0.17	3.09	0.00	0.00	1.84	1.84	0.00	0.43	0.43	—	1,447	1,447	0.01	0.01	0.02	1,450
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	0.09	0.07	0.06	1.41	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	562	562	< 0.005	< 0.005	0.11	563
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	0.01	0.01	0.26	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	93.0	93.0	< 0.005	< 0.005	0.02	93.2
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

3.18. Architectural Coating (2043) - 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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	6.23	6.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	6.23	6.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	2.35	3.51	0.01	0.01	—	0.01	0.01	—	0.01	—	486	486	0.02	< 0.005	—	488
Architectural Coatings	2.27	2.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.43	0.64	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	80.5	80.5	< 0.005	< 0.005	—	80.7
Architectural Coatings	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.21	0.17	5.50	0.00	0.00	1.84	1.84	0.00	0.43	0.43	—	1,693	1,693	0.01	0.01	0.73	1,697
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	0.25	0.19	0.17	3.09	0.00	0.00	1.84	1.84	0.00	0.43	0.43	—	1,447	1,447	0.01	0.01	0.02	1,450
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	0.09	0.07	0.06	1.41	0.00	0.00	0.67	0.67	0.00	0.16	0.16	—	562	562	< 0.005	< 0.005	0.11	563
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	0.01	0.01	0.26	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	93.0	93.0	< 0.005	< 0.005	0.02	93.2
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

3.19. Architectural Coating (2044) - 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	1.08	0.89	7.42	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	31.1	31.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1.08	0.89	7.42	10.9	0.02	0.04	—	0.04	0.04	—	0.04	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	31.1	31.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.77	0.64	5.30	7.82	0.01	0.03	—	0.03	0.03	—	0.03	—	954	954	0.04	0.01	—	957
Architectural Coatings	22.2	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.97	1.43	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	158	158	0.01	< 0.005	—	158
Architectural Coatings	4.06	4.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.27	0.20	0.17	5.43	0.00	0.00	1.84	1.84	0.00	0.43	0.43	—	1,686	1,686	0.01	0.01	0.62	1,690
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	0.19	0.19	0.17	3.02	0.00	0.00	1.84	1.84	0.00	0.43	0.43	—	1,441	1,441	0.01	0.01	0.02	1,444
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	0.18	0.14	0.12	2.72	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,099	1,099	0.01	< 0.005	0.19	1,100
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	0.03	0.03	0.02	0.50	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	182	182	< 0.005	< 0.005	0.03	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

3.20. Architectural Coating (2044) - 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	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architect ural Coatings	6.23	6.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.21	0.21	6.46	9.63	0.02	0.02	—	0.02	0.02	—	0.02	—	1,335	1,335	0.05	0.01	—	1,340
Architectural Coatings	6.23	6.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.15	4.61	6.88	0.01	0.02	—	0.02	0.02	—	0.02	—	954	954	0.04	0.01	—	957
Architectural Coatings	4.45	4.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	0.84	1.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	158	158	0.01	< 0.005	—	158
Architectural Coatings	0.81	0.81	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.27	0.20	0.17	5.43	0.00	0.00	1.84	1.84	0.00	0.43	0.43	—	1,686	1,686	0.01	0.01	0.62	1,690
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	0.19	0.19	0.17	3.02	0.00	0.00	1.84	1.84	0.00	0.43	0.43	—	1,441	1,441	0.01	0.01	0.02	1,444
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	0.18	0.14	0.12	2.72	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,099	1,099	0.01	< 0.005	0.19	1,100
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	0.03	0.03	0.02	0.50	0.00	0.00	0.24	0.24	0.00	0.06	0.06	—	182	182	< 0.005	< 0.005	0.03	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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	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

Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	21.6	19.8	23.0	253	0.75	0.38	75.2	75.6	0.36	19.1	19.4	—	76,660	76,660	1.73	3.13	19.5	77,654
Total	21.6	19.8	23.0	253	0.75	0.38	75.2	75.6	0.36	19.1	19.4	—	76,660	76,660	1.73	3.13	19.5	77,654
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	19.2	17.4	25.0	170	0.67	0.38	75.2	75.6	0.36	19.1	19.4	—	68,157	68,157	1.79	3.21	0.50	69,158
Total	19.2	17.4	25.0	170	0.67	0.38	75.2	75.6	0.36	19.1	19.4	—	68,157	68,157	1.79	3.21	0.50	69,158

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	3.62	3.29	4.38	35.9	0.13	0.07	13.7	13.7	0.07	3.46	3.53	—	11,839	11,839	0.29	0.52	1.39	12,003
Total	3.62	3.29	4.38	35.9	0.13	0.07	13.7	13.7	0.07	3.46	3.53	—	11,839	11,839	0.29	0.52	1.39	12,003

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	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

Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	21.6	19.8	23.0	253	0.75	0.38	75.2	75.6	0.36	19.1	19.4	—	76,660	76,660	1.73	3.13	19.5	77,654
Total	21.6	19.8	23.0	253	0.75	0.38	75.2	75.6	0.36	19.1	19.4	—	76,660	76,660	1.73	3.13	19.5	77,654
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	19.2	17.4	25.0	170	0.67	0.38	75.2	75.6	0.36	19.1	19.4	—	68,157	68,157	1.79	3.21	0.50	69,158
Total	19.2	17.4	25.0	170	0.67	0.38	75.2	75.6	0.36	19.1	19.4	—	68,157	68,157	1.79	3.21	0.50	69,158

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.00	0.00	0.00	0.00	0.00	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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	3.62	3.29	4.38	35.9	0.13	0.07	13.7	13.7	0.07	3.46	3.53	—	11,839	11,839	0.29	0.52	1.39	12,003
Total	3.62	3.29	4.38	35.9	0.13	0.07	13.7	13.7	0.07	3.46	3.53	—	11,839	11,839	0.29	0.52	1.39	12,003

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	923	923	0.12	0.01	—	930

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	619	619	0.08	0.01	—	624
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,302	3,302	0.44	0.05	—	3,329
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,788	2,788	0.37	0.05	—	2,811
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,631	7,631	1.02	0.12	—	7,693
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	923	923	0.12	0.01	—	930
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	619	619	0.08	0.01	—	624
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,302	3,302	0.44	0.05	—	3,329

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,788	2,788	0.37	0.05	—	2,811
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,631	7,631	1.02	0.12	—	7,693
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	153	153	0.02	< 0.005	—	154
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	102	102	0.01	< 0.005	—	103
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	547	547	0.07	0.01	—	551
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	462	462	0.06	0.01	—	465
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,263	1,263	0.17	0.02	—	1,274

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	335	335	0.04	0.01	—	338
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	619	619	0.08	0.01	—	624
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,498	1,498	0.20	0.02	—	1,510
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,096	2,096	0.28	0.03	—	2,113
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,547	4,547	0.61	0.07	—	4,584
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	333	333	0.04	0.01	—	336
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	619	619	0.08	0.01	—	624
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	1,485	1,485	0.20	0.02	—	1,497
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,088	2,088	0.28	0.03	—	2,105
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,524	4,524	0.61	0.07	—	4,561
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	55.3	55.3	0.01	< 0.005	—	55.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	102	102	0.01	< 0.005	—	103
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	247	247	0.03	< 0.005	—	249
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	346	346	0.05	0.01	—	349
Total	—	—	—	—	—	—	—	—	—	—	—	—	751	751	0.10	0.01	—	757

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Element School	0.03	0.02	0.29	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	347	347	0.03	< 0.005	—	348
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.36	0.18	3.06	1.30	0.02	0.25	—	0.25	0.25	—	0.25	—	3,883	3,883	0.34	0.01	—	3,894
Single Family Housing	0.46	0.23	3.97	1.69	0.03	0.32	—	0.32	0.32	—	0.32	—	5,038	5,038	0.45	0.01	—	5,052
Total	0.85	0.43	7.32	3.24	0.05	0.59	—	0.59	0.59	—	0.59	—	9,269	9,269	0.82	0.02	—	9,294
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.03	0.02	0.29	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	347	347	0.03	< 0.005	—	348
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Apartments Low Rise	0.36	0.18	3.06	1.30	0.02	0.25	—	0.25	0.25	—	0.25	—	3,883	3,883	0.34	0.01	—	3,894
Single Family Housing	0.46	0.23	3.97	1.69	0.03	0.32	—	0.32	0.32	—	0.32	—	5,038	5,038	0.45	0.01	—	5,052
Total	0.85	0.43	7.32	3.24	0.05	0.59	—	0.59	0.59	—	0.59	—	9,269	9,269	0.82	0.02	—	9,294
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.5	57.5	0.01	< 0.005	—	57.7
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	643	643	0.06	< 0.005	—	645
Single Family Housing	0.08	0.04	0.72	0.31	< 0.005	0.06	—	0.06	0.06	—	0.06	—	834	834	0.07	< 0.005	—	836
Total	0.16	0.08	1.34	0.59	0.01	0.11	—	0.11	0.11	—	0.11	—	1,535	1,535	0.14	< 0.005	—	1,539

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	0.03	0.02	0.28	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	335	335	0.03	< 0.005	—	336
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Low Rise	0.27	0.14	2.31	0.98	0.01	0.19	—	0.19	0.19	—	0.19	—	2,935	2,935	0.26	0.01	—	2,943
Single Family Housing	0.36	0.18	3.08	1.31	0.02	0.25	—	0.25	0.25	—	0.25	—	3,915	3,915	0.35	0.01	—	3,926
Total	0.66	0.33	5.68	2.53	0.04	0.46	—	0.46	0.46	—	0.46	—	7,185	7,185	0.64	0.01	—	7,205
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	0.03	0.02	0.28	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	335	335	0.03	< 0.005	—	336
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
Other Non-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
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

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.27	0.14	2.31	0.98	0.01	0.19	—	0.19	0.19	—	0.19	—	2,935	2,935	0.26	0.01	—	2,943
Single Family Housing	0.36	0.18	3.08	1.31	0.02	0.25	—	0.25	0.25	—	0.25	—	3,915	3,915	0.35	0.01	—	3,926
Total	0.66	0.33	5.68	2.53	0.04	0.46	—	0.46	0.46	—	0.46	—	7,185	7,185	0.64	0.01	—	7,205
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	55.4	55.4	< 0.005	< 0.005	—	55.6
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
Other Non-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
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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Low Rise	0.05	0.02	0.42	0.18	< 0.005	0.03	—	0.03	0.03	—	0.03	—	486	486	0.04	< 0.005	—	487
Single Family Housing	0.07	0.03	0.56	0.24	< 0.005	0.05	—	0.05	0.05	—	0.05	—	648	648	0.06	< 0.005	—	650
Total	0.12	0.06	1.04	0.46	0.01	0.08	—	0.08	0.08	—	0.08	—	1,190	1,190	0.11	< 0.005	—	1,193

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.91	0.95	16.3	6.94	0.10	1.32	—	1.32	1.32	—	1.32	0.00	20,690	20,690	0.39	0.04	—	20,711
Consumer Products	39.3	39.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.37	3.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.58	6.22	0.63	69.1	< 0.005	0.03	—	0.03	0.03	—	0.03	—	188	188	0.01	< 0.005	—	189
Total	51.2	49.9	16.9	76.0	0.11	1.35	—	1.35	1.34	—	1.34	0.00	20,878	20,878	0.40	0.04	—	20,900
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.91	0.95	16.3	6.94	0.10	1.32	—	1.32	1.32	—	1.32	0.00	20,690	20,690	0.39	0.04	—	20,711
Consumer Products	39.3	39.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	3.37	3.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	44.6	43.7	16.3	6.94	0.10	1.32	—	1.32	1.32	—	1.32	0.00	20,690	20,690	0.39	0.04	—	20,711
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.01	0.20	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	235	235	< 0.005	< 0.005	—	235
Consumer Products	7.18	7.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	0.61	0.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.59	0.56	0.06	6.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.4
Total	8.41	8.37	0.26	6.30	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	250	250	0.01	< 0.005	—	250

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.91	0.95	16.3	6.94	0.10	1.32	—	1.32	1.32	—	1.32	0.00	20,690	20,690	0.39	0.04	—	20,711
Consumer Products	36.6	36.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.67	0.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	39.2	38.3	16.3	6.94	0.10	1.32	—	1.32	1.32	—	1.32	0.00	20,690	20,690	0.39	0.04	—	20,711
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.91	0.95	16.3	6.94	0.10	1.32	—	1.32	1.32	—	1.32	0.00	20,690	20,690	0.39	0.04	—	20,711
Consumer Products	36.6	36.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.67	0.67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	39.2	38.3	16.3	6.94	0.10	1.32	—	1.32	1.32	—	1.32	0.00	20,690	20,690	0.39	0.04	—	20,711

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.02	0.01	0.20	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	235	235	< 0.005	< 0.005	—	235
Consumer Products	6.69	6.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	6.83	6.82	0.20	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	235	235	< 0.005	< 0.005	—	235

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	4.05	6.76	10.8	0.42	0.01	—	24.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	337	337	0.05	0.01	—	340

Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	55.6	92.9	149	5.72	0.14	—	332
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	34.4	57.5	92.0	3.54	0.08	—	206
Total	—	—	—	—	—	—	—	—	—	—	—	94.1	494	589	9.72	0.24	—	902
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	—	—	—	—	—	—	—	—	—	—	—	4.05	6.76	10.8	0.42	0.01	—	24.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	337	337	0.05	0.01	—	340
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	55.6	92.9	149	5.72	0.14	—	332
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	34.4	57.5	92.0	3.54	0.08	—	206
Total	—	—	—	—	—	—	—	—	—	—	—	94.1	494	589	9.72	0.24	—	902
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	—	—	—	—	—	—	—	—	—	—	—	0.67	1.12	1.79	0.07	< 0.005	—	4.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	55.8	55.8	0.01	< 0.005	—	56.3
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	9.21	15.4	24.6	0.95	0.02	—	55.0
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	5.70	9.52	15.2	0.59	0.01	—	34.1
Total	—	—	—	—	—	—	—	—	—	—	—	15.6	81.9	97.4	1.61	0.04	—	149

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	4.05	6.76	10.8	0.42	0.01	—	24.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	337	337	0.05	0.01	—	340
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	55.6	92.9	149	5.72	0.14	—	332
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	34.4	57.5	92.0	3.54	0.08	—	206
Total	—	—	—	—	—	—	—	—	—	—	—	94.1	494	589	9.72	0.24	—	902
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	4.05	6.76	10.8	0.42	0.01	—	24.2
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	337	337	0.05	0.01	—	340
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	55.6	92.9	149	5.72	0.14	—	332
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	34.4	57.5	92.0	3.54	0.08	—	206
Total	—	—	—	—	—	—	—	—	—	—	—	94.1	494	589	9.72	0.24	—	902
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Elementary School	—	—	—	—	—	—	—	—	—	—	—	0.67	1.12	1.79	0.07	< 0.005	—	4.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	55.8	55.8	0.01	< 0.005	—	56.3
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	9.21	15.4	24.6	0.95	0.02	—	55.0
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	5.70	9.52	15.2	0.59	0.01	—	34.1
Total	—	—	—	—	—	—	—	—	—	—	—	15.6	81.9	97.4	1.61	0.04	—	149

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	85.7	0.00	85.7	8.56	0.00	—	300

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	3.96	0.00	3.96	0.40	0.00	—	13.8
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	285	0.00	285	28.4	0.00	—	995
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	218	0.00	218	21.8	0.00	—	763
Total	—	—	—	—	—	—	—	—	—	—	—	592	0.00	592	59.2	0.00	—	2,072
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	85.7	0.00	85.7	8.56	0.00	—	300
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	3.96	0.00	3.96	0.40	0.00	—	13.8
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	285	0.00	285	28.4	0.00	—	995

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	218	0.00	218	21.8	0.00	—	763
Total	—	—	—	—	—	—	—	—	—	—	—	592	0.00	592	59.2	0.00	—	2,072
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	14.2	0.00	14.2	1.42	0.00	—	49.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.66	0.00	0.66	0.07	0.00	—	2.29
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	47.1	0.00	47.1	4.71	0.00	—	165
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	36.1	0.00	36.1	3.61	0.00	—	126
Total	—	—	—	—	—	—	—	—	—	—	—	98.1	0.00	98.1	9.80	0.00	—	343

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Element ary School	—	—	—	—	—	—	—	—	—	—	—	21.4	0.00	21.4	2.14	0.00	—	74.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.99	0.00	0.99	0.10	0.00	—	3.46
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	71.1	0.00	71.1	7.11	0.00	—	249
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	54.5	0.00	54.5	5.45	0.00	—	191
Total	—	—	—	—	—	—	—	—	—	—	—	148	0.00	148	14.8	0.00	—	518
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Element ary School	—	—	—	—	—	—	—	—	—	—	—	21.4	0.00	21.4	2.14	0.00	—	74.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.99	0.00	0.99	0.10	0.00	—	3.46

Apartments	—	—	—	—	—	—	—	—	—	—	—	71.1	0.00	71.1	7.11	0.00	—	249
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	54.5	0.00	54.5	5.45	0.00	—	191
Total	—	—	—	—	—	—	—	—	—	—	—	148	0.00	148	14.8	0.00	—	518
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	3.55	0.00	3.55	0.35	0.00	—	12.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	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
City Park	—	—	—	—	—	—	—	—	—	—	—	0.16	0.00	0.16	0.02	0.00	—	0.57
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	11.8	0.00	11.8	1.18	0.00	—	41.2
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	9.03	0.00	9.03	0.90	0.00	—	31.6
Total	—	—	—	—	—	—	—	—	—	—	—	24.5	0.00	24.5	2.45	0.00	—	85.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.42	5.42
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.17	6.17
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9	11.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.42	5.42
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.17	6.17
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9	11.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.90	0.90
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.02	1.02

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.97	1.97

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.42	5.42
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.17	6.17
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9	11.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Elementary School	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.42	5.42
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.17	6.17
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.9	11.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Elementary	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.90	0.90
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.02	1.02
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.97	1.97

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.8.2. Mitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	9/1/2041	12/30/2041	5.00	86.0	—
Grading	Grading	12/31/2041	7/2/2042	5.00	132	—
Building Construction	Building Construction	7/3/2042	7/20/2044	5.00	535	—
Paving	Paving	4/17/2043	7/13/2044	5.00	324	—
Architectural Coating	Architectural Coating	6/29/2043	12/30/2044	5.00	395	—

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	6.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	8.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37

Building Construction	Cranes	Diesel	Average	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	15.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	15.0	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	10.0	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	10.0	6.00	37.0	0.48

5.2.2. Mitigated

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	6.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	8.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	15.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	15.0	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	10.0	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	4.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 4 Final	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	10.0	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	35.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	7.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	704	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	136	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	6.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT

Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	141	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	35.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	7.00	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	704	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	136	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	6.00	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	141	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	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	3,277,949	1,092,650	109,229	36,410	789,307

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	258	0.00	—
Grading	0.00	0.00	792	0.00	—
Paving	0.00	0.00	0.00	0.00	307

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Elementary School	0.00	0%
Other Asphalt Surfaces	34.0	100%
Other Non-Asphalt Surfaces	244	0%
Parking Lot	24.0	100%
City Park	0.00	0%
Apartments Low Rise	—	0%
Single Family Housing	4.87	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2041	0.00	247	0.03	< 0.005
2042	0.00	247	0.03	< 0.005
2043	0.00	247	0.03	< 0.005
2044	0.00	247	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Elementary School	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
Other Non-Asphalt Surfaces	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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	8,612	8,612	8,612	3,143,380	106,188	106,188	106,188	38,758,620

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Elementary School	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
Other Non-Asphalt Surfaces	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
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apartments Low Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Single Family Housing	8,612	8,612	8,612	3,143,380	106,188	106,188	106,188	38,758,620

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	607

Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	71
Conventional Wood Stoves	0
Catalytic Wood Stoves	36
Non-Catalytic Wood Stoves	36
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	376
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	44
Conventional Wood Stoves	0
Catalytic Wood Stoves	22
Non-Catalytic Wood Stoves	22
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	607
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	71
Conventional Wood Stoves	0

Catalytic Wood Stoves	36
Non-Catalytic Wood Stoves	36
Pellet Wood Stoves	0
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	376
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	44
Conventional Wood Stoves	0
Catalytic Wood Stoves	22
Non-Catalytic Wood Stoves	22
Pellet Wood Stoves	0

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)
3277948.5	1,092,650	109,229	36,410	789,307

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00

Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Elementary School	1,366,048	247	0.0330	0.0040	1,084,246
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Parking Lot	915,805	247	0.0330	0.0040	0.00
City Park	0.00	247	0.0330	0.0040	0.00
Apartments Low Rise	4,888,608	247	0.0330	0.0040	12,116,739
Single Family Housing	4,127,946	247	0.0330	0.0040	15,719,427

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)
Elementary School	493,745	247	0.0330	0.0040	1,044,525
Other Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	247	0.0330	0.0040	0.00
Parking Lot	915,805	247	0.0330	0.0040	0.00
City Park	0.00	247	0.0330	0.0040	0.00
Apartments Low Rise	2,198,082	247	0.0330	0.0040	9,158,548
Single Family Housing	3,091,424	247	0.0330	0.0040	12,215,453

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Elementary School	2,111,513	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
City Park	0.00	155,130,076
Apartments Low Rise	29,041,075	0.00
Single Family Housing	17,977,809	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Elementary School	2,111,513	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
City Park	0.00	155,130,076
Apartments Low Rise	29,041,075	0.00
Single Family Housing	17,977,809	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Elementary School	159	—
Other Asphalt Surfaces	0.00	—

Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
City Park	7.34	—
Apartments Low Rise	528	—
Single Family Housing	405	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Elementary School	39.7	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
City Park	1.84	—
Apartments Low Rise	132	—
Single Family Housing	101	—

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
Elementary School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Elementary School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Elementary School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Elementary School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Elementary School	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Elementary School	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Elementary School	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Elementary School	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Low Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Low Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.5	annual days of extreme heat

Extreme Precipitation	0.85	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.15	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 $\frac{3}{4}$ 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	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	51.0
AQ-PM	9.06
AQ-DPM	1.39
Drinking Water	64.7
Lead Risk Housing	43.7
Pesticides	50.2

Toxic Releases	4.91
Traffic	12.8
Effect Indicators	—
CleanUp Sites	84.8
Groundwater	56.1
Haz Waste Facilities/Generators	56.4
Impaired Water Bodies	23.9
Solid Waste	99.2
Sensitive Population	—
Asthma	72.9
Cardio-vascular	94.2
Low Birth Weights	17.2
Socioeconomic Factor Indicators	—
Education	70.7
Housing	15.9
Linguistic	35.3
Poverty	80.1
Unemployment	—

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	15.27011421
Employed	36.37880149
Median HI	20.15911716
Education	—

Bachelor's or higher	26.78044399
High school enrollment	100
Preschool enrollment	1.873476197
Transportation	—
Auto Access	82.44578468
Active commuting	45.97715899
Social	—
2-parent households	20.59540613
Voting	44.10368279
Neighborhood	—
Alcohol availability	97.0101373
Park access	19.59450789
Retail density	0.872577955
Supermarket access	6.351854228
Tree canopy	0.346464776
Housing	—
Homeownership	79.96920313
Housing habitability	86.07724881
Low-inc homeowner severe housing cost burden	66.38008469
Low-inc renter severe housing cost burden	98.0366996
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	4.067753112
Arthritis	0.0
Asthma ER Admissions	24.0
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	2.5
Cognitively Disabled	18.3
Physically Disabled	14.9
Heart Attack ER Admissions	20.2
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	99.4
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	22.0
Elderly	16.0
English Speaking	46.5
Foreign-born	48.2
Outdoor Workers	5.8
Climate Change Adaptive Capacity	—

Impervious Surface Cover	91.8
Traffic Density	7.9
Traffic Access	23.0
Other Indices	—
Hardship	76.6
Other Decision Support	—
2016 Voting	47.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	57.0
Healthy Places Index Score for Project Location (b)	20.0
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

Characteristics: Project Details	Changed Locational Context from NA to Suburban to allow mitigation measures to be implemented in model. Input Start of Construction Based on schedule. No other changes made.
Land Use	Apartment Low Rise and Single Family Housing: Lot Acreage and Floor Surface Area updated based on Plans. Drainage, Other Open Space shown as Non-Asphalt Surfaces. Roads shown as Other Asphalt Surfaces. Open Space/Landscape shown as City Park.
Construction: Construction Phases	Construction duration updated based schedule. This shorter construction schedule is more conservative because more emissions are generated per day. Revised schedule is consistent with TIA.
Construction: Off-Road Equipment	Increased construction equipment assumptions based on similar projects.
Construction: Architectural Coatings	SCAQMD Rule 1113 limits VOC in paint to 50 g/L
Operations: Hearths	SCAQMD Rule 445 prohibits the permanent installation of wood-burning devices in new residential developments.
Operations: Architectural Coatings	SCAQMD Rule 1113 limits VOCs in paint to 50 g/L.
Operations: Refrigerants	City Park land use used to model Open Space and therefore does not include refrigeration.
Operations: Vehicle Data	Total Phase 6 trips calculated with Single Family Land Use. TIA shows trip generation = 8,612 and VMT = 106,188 therefore trip length = 12.330237 and annual VMT = 38,758,620