Yorke
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May 8, 2024

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Subject: Air Quality, Greenhouse Gas, and LST Study for a Commercial Project in Perris, CA; APNs 310-150-012 and 310-160-070

Dear Ms. Mostad:

Yorke Engineering, LLC (Yorke) is pleased to provide this Air Quality (AQ), Greenhouse Gas (GHG), and Localized Significant Threshold (LST) Letter Report. This report includes California Emissions Estimator Model® (CalEEMod) emissions estimates, criteria pollutant analysis, and GHG analysis for the proposed commercial project in Perris, California. These evaluations will support the Applicant's submittal of a CEQA Initial Study (IS) for a Mitigated Negative Declaration (MND) for the Proposed Project. An air quality and GHG study is required for this Project in order to fulfill City requirements.

PROJECT DESCRIPTION

Alabbasi Construction & Engineering is proposing to develop a multi-use facility to be located east of Goetz Road and North of Ellis Avenue in the City of Perris, CA (the City) [Assessor's Parcel Number (APN) 310-150-012 and 310-160-070], which is within the SCAQMD. The 8.34-acre site is in the form of a 30° x 60° x 90° right triangle, with the hypotenuse facing northeast. The Ellis Road Storage facility will comprise eight structures offering an industry standard range of storage unit sizes, along with a convenience store, gas station, fast food restaurant with drive through, and a car wash. The proposed total storage building area will be 149,080 square feet, which will consist of a 2,400 square feet office and on-site apartment building, and 146,680 square feet of storage buildings.

Since the construction site is already vacant and generally flat, site preparation and grading activities are expected to be relatively minimal, and a demolition phase is not required. In order to fulfill City requirements, an air quality and GHG study is required.

ASSUMPTIONS

The following lists sources of information used in developing the emission estimates for the proposed Project using the California Emissions Estimator Model® (CalEEMod). Not all CalEEMod defaults are listed, but some defaults which have a particularly important impact on the project are listed.

- The Applicant defined:

- Basic project design features including project lot size, footprints of proposed structures, parking area, landscaping area, etc.;
- Low VOC paints and cleaning supplies will be used; and
- During construction exposed soil will be watered three times daily and paved site access roads will be swept as construction Best Management Practices (BMPs).

- CalEEMod defaults were used for:
  - Construction equipment count, load factor, and fleet average age;
  - Architectural coating areas;
  - Operational vehicle fleet mixes; and
  - Average vehicle trip distances.
- Assumptions:
  - Car Wash Tunnel is characterized as a "Automobile Care Center" because there is no car wash land use category available in CalEEMod;
  - The default trip rates generated by CalEEMod were modified to 1/10th of the values for the general light industry land use, since CalEEMod does not have default VMT values for the long-term self-storage land use case. This will conservatively reflect the overall low traffic generation expected for operation of the self-storage facility, i.e., storage spaces are normally unoccupied;
  - The number of trips in the operational phase for the automobile care center was estimated using Common Trip Generation Rates (PM Peak Hour) table published by the Institute of Transportation Engineers (ITE) for an automated car wash (14.2 trips per 1,000 sq ft);
  - The number of trips in the operational phase for the fast food restaurant was estimated using Common Trip Generation Rates (PM Peak Hour) table published by the ITE for a Fast Food Restaurant with Drive Through Window (32.67 trips per 1,000 sq ft);
  - The number of trips in the operational phase for the convenience market was estimated using Common Trip Generation Rates (PM Peak Hour) table published by the ITE for a Convenience Market (Open 24 hour) (49.11 trips per 1,000 sq ft); and
  - The number of trips in the operational phase for the gas station was estimated using Common Trip Generation Rates (PM Peak Hour) table published by the ITE for a Gasoline Service Station (109.27 trips per 1,000 sq ft).

LIST OF TABLES

The project analyses and results are summarized in the following tables:

- Table 1: Land Use Data for CalEEMod Input
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- Table 3: Construction Emissions Summary and Significance Evaluation
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AIR QUALITY AND GREENHOUSE GAS IMPACTS ANALYSES

To evaluate the potential for Air Quality and Greenhouse Gas impacts of a proposed project, quantitative significance criteria established by the local air quality agency, such as the SCAQMD, may be relied upon to make significance determinations based on mass emissions of criteria pollutants and GHGs, as presented in this report. As shown below, approval of the project would not result in any significant effects relating to air quality or greenhouse gases.

Project Emissions Estimation

The construction and operation analysis were performed using the CalEEMod version 2022.1, the official statewide land use computer model designed to provide a uniform platform for estimating potential criteria pollutant and GHG emissions associated with both construction and operations of land use projects under CEQA. The model quantifies direct emissions from construction and operations (including vehicle use), as well as indirect emissions, such as GHG emissions from energy use, solid waste disposal, vegetation planting and/or removal, and water use. The mobile source emission factors used in the model – published by the California Air Resources Board (CARB) – include the Pavley standards and Low Carbon Fuel standards. The model also identifies project design features, regulatory measures, and control measures to reduce criteria pollutant and GHG emissions along with calculating the benefits achieved from the selected measures. CalEEMod was developed by the California Air Pollution Control Officers Association (CAPCOA) in collaboration with the South Coast Air Quality Management District (SCAQMD), the Bay Area Air Quality Management District (BAAQMD), the San Joaquin Valley Air Pollution Control District (SJVAPCD), and other California air districts. Default land use data (e.g., emission factors, trip lengths, meteorology, source inventory, etc.) were provided by the various California air districts to account for local requirements and conditions. As the official assessment methodology for land use projects in California, CalEEMod is relied upon herein for construction and operational emissions quantification, which forms the basis for the impact analysis.

Based on information received from the Applicant, land use data for CalEEMod input is presented in Table 1. The SCAQMD quantitative significance thresholds shown in Table 2 were used to evaluate project emissions impacts (SCAQMD 2023).

Table 1: Land Use Data for CalEEMod Input				
Land Use Type	**Land Use Subtype**	**Lot Acreage (footprint)**	**Square Feet**	**Description**
Parking	Parking Lot	3.57	155,656	Parking Spaces and Other Concrete Surfaces
Industrial	General Light Industry	1.14	49,800	Self Storage Bldgs A-E
Industrial	General Light Industry	1.12	49,000	Self Storage Bldg F (Two Story)
Industrial	General Light Industry	1.10	47,880	Self Storage Bldg G (Two Story)
Residential	Single Family Housing	0.02	1,200	Residence in Building A
Commercial	General Office Building	0.03	1,200	Office in Building A
Retail	Automobile Care Center	0.03	1,492	Car Wash Tunnel
Recreational	Fast Food w/Drive Through	0.05	2,016	Restaurant
Landscape	Landscape	1.02	44,273	Landscape
Retail	Convenience Market (24-Hour)	0.09	4,033	C-Store
Retail	Gasoline/Service Station	0.15	6,740	Diesel and Gas Canopy
	Project Site	**8.34**	**363,290**	

Sources: Applicant 2022, CalEEMod version 2022.1

Notes:

Electric utility: Southern California Edison

Gas utility: Southern California Gas

Table 2: SCAQMD CEQA Thresholds of Significance		
Pollutant	**Project Construction**	**Project Operation**
	lbs/day	**lbs/day**
ROG (VOC)	75	55
NO_X	100	55
CO	550	550
SO_X	150	150
PM_{10}	150	150
$PM_{2.5}$	55	55
24-hour $PM_{2.5}$ Increment	10.4 µg/m^3	2.5 µg/m^3
24-hour PM_{10} Increment	10.4 µg/m^3	2.5 µg/m^3
Annual PM10 Increment	1.0 µg/m^3 annual average	
1-hour NO_2 Increment	0.18 ppm (state)	
Annual NO_2 Increment	0.03 ppm (state) & 0.0534 ppm (federal)	
1-hour SO_2 Increment	0.25 ppm (state) & 0.075 ppm (federal – 99th percentile)	
24-hour SO_2 Increment	0.04 ppm (state)	
24-hour Sulfate Increment	25 ug/m^3 (state)	
1-hour CO Increment	20 ppm (state) & 35 ppm (federal)	
8-hour CO Increment	9.0 ppm (state/federal)	
Toxic Air Contaminants (including carcinogens and non-carcinogens)	Maximum Incremental Cancer Risk ≥10 in 1 million	
	Cancer Burden >0.5 excess cancer cases (in areas ≥1 in 1 million)	
	Chronic & Acute Hazard Index ≥1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to Rule 402	
Greenhouse Gases	10,000 MT/yr CO_2e for industrial facilities	
	3,000 MT/yr CO_2e for land use projects (draft proposal)	

Source: SCAQMD 2023, 2008b

Criteria Pollutants from Project Construction

A project's construction phase produces many types of emissions, generally PM_{10} (including $PM_{2.5}$) in fugitive dust and diesel engine exhaust are the pollutants of greatest concern. Construction-related emissions can cause substantial increases in localized concentrations of PM_{10}, as well as affecting PM_{10} compliance with ambient air quality standards on a regional basis. The use of diesel-powered construction equipment emits ozone precursors oxides of nitrogen (NO_x) and reactive organic gases (ROG), and diesel particulate matter (DPM); however, the use of diesel-powered equipment would be minimal. Use of architectural coatings and other materials associated with finishing buildings may also emit ROG and toxic air contaminants (TACs). CEQA significance thresholds address the impacts of construction activity emissions on local and regional air quality. Thresholds are also provided for other potential impacts related to project construction, such as odors and TACs.

Criteria Pollutants from Project Operation

The term "project operations" refers to the full range of activities that can or may generate criteria pollutant, GHG, and TAC emissions when the project is functioning in its intended use. For projects, such as office parks, shopping centers, apartment buildings, residential subdivisions, and other indirect sources, motor vehicles traveling to and from the project represents the primary source of air pollutant emissions. For industrial projects and some commercial projects, equipment operation and manufacturing processes, i.e., permitted stationary sources, can be of greatest concern from an emissions standpoint. CEQA significance thresholds address the impacts of operational emission sources on local and regional air quality. Thresholds are also provided for other potential impacts related to project operations, such as odors.

Results of Criteria Emissions Analyses

CalEEMod outputs are in Attachment 1. It should be noted that although emissions are labeled as "mitigated" in the CalEEMod outputs, these emissions reflect project design features, i.e., required BMPs. For this project, applicable SCAQMD and City Planning approved BMPs will be implemented as project design features. This is a standard Condition of Approval and pursuant to CEQA, is not considered mitigation.

Table 3 shows baseline and design criteria construction emissions and evaluates design emissions against SCAQMD significance thresholds.

Table 4 shows baseline and design criteria operational emissions and evaluates design emissions against SCAQMD significance thresholds.

As shown in Tables 3 and 4, mass emissions of criteria pollutants from construction and operation are below applicable SCAQMD significance thresholds.

PROJECTED IMPACT: Less Than Significant (LTS)

Table 3: Construction Emissions Summary and Significance Evaluation

Criteria Pollutants	Baseline (lbs/day)	Design (lbs/day)	Threshold (lbs/day)	Significance
ROG (VOC)	75.2	37.9	75	LTS
NO_X	39.8	39.8	100	LTS
CO	36.7	36.7	550	LTS
SO_X	0.1	0.1	150	LTS
Total PM_{10}	21.7	7.1	150	LTS
Total $PM_{2.5}$	11.8	4.3	55	LTS

Sources: SCAQMD 2023, CalEEMod version 2022.1

Table 4: Operational Emissions Summary and Significance Evaluation				
Criteria Pollutants	**Baseline (lbs/day)**	**Design (lbs/day)**	**Threshold (lbs/day)**	**Significance**
ROG (VOC)	14.7	14.2	55	LTS
NO_X	11.8	11.8	55	LTS
CO	93.0	93.0	550	LTS
SO_X	0.2	0.2	150	LTS
Total PM_{10}	6.8	6.8	150	LTS
Total $PM_{2.5}$	1.51	1.51	55	LTS

Sources: SCAQMD 2023, CalEEMod version 2022.1
Notes:
lbs/day are winter or summer maxima for planned land use
Total PM_{10} / $PM_{2.5}$ comprises fugitive dust plus engine exhaust

Localized Significance Threshold Analysis

The SCAQMD's Localized Significance Threshold (LST) methodology (2008a) was used to analyze the neighborhood scale impacts of NO_X, CO, PM_{10}, and $PM_{2.5}$ associated with project-specific mass emissions. Introduced in 2003, the LST methodology was revised in 2008 to include the $PM_{2.5}$ significance threshold methodology and update the LST mass rate lookup tables for the new 1-hour NO_2 standard.

For determining localized air quality impacts from small projects in a defined geographic source-receptor area (SRA), the LST methodology provides mass emission rate lookup tables for 1-acre, 2-acre, and 5-acre parcels by SRA. The tabulated LSTs represent the maximum mass emissions from a project that will not cause or contribute to an exceedance of state or national ambient air quality standards (CAAQS or NAAQS) for the above pollutants and were developed based on ambient concentrations of these pollutants for each SRA in the South Coast Air Basin. (SCAQMD 2008a)

For most land use projects, the highest daily emission rates occur during the site preparation and grading phases of construction; where applicable, these maximum daily emissions are used in the LST analysis.

Since land use operational emissions – mainly from associated traffic – are dispersed over a wide area, localized impacts from project operation are substantially lower than during project construction. However, an Operational LST analysis was also performed. Localized mobile source emissions for project operation were calculated for a one-mile radius of the project site.

The proposed Project site is approximately 8.34 acres in SRA Zone 24 – Perris Valley. The 5-acre screening lookup tables were used to evaluate NO_x, CO, PM_{10}, and $PM_{2.5}$ impacts on nearby receptors. The nearest receptor is approximately 100 meters away from the site. Therefore, the impact evaluation was performed using the closest distance within SCAQMD LST tables of 100 meters for construction. (SCAQMD 2008a)

Results of Localized Significance Threshold Analysis

The LST results provided in Tables 5 and 6 show that on-site emissions from construction and operations would meet the LST passing criteria at the nearest receptors (100 meters). Thus, impacts would be less than significant.

PROJECTED IMPACT: Less Than Significant (LTS)

Table 5: Construction Localized Significance Threshold Evaluation

Criteria Pollutants	Design (lbs/day)	Threshold (lbs/day)	Percent of Threshold	Result
NO_X	39.8	378	11%	Pass
CO	36.7	3,437	1%	Pass
PM_{10}	7.1	59	12%	Pass
$PM_{2.5}$	4.3	16	27%	Pass

Sources: SCAQMD 2008a, CalEEMod version 2022.1
Notes:
Source-receptor area - Perris - Zone 24 Perris Valley
5-acre area, 100 meters to receptor

Table 6: Operations Localized Significance Threshold Evaluation

Criteria Pollutants	Design (lbs/day)	Threshold (lbs/day)	Percent of Threshold	Result
NO_X	11.8	378	3%	Pass
CO	93.0	3437	3%	Pass
PM_{10}	0.30	14	2%	Pass
$PM_{2.5}$	0.24	4	6%	Pass

Sources: SCAQMD 2008a, CalEEMod version 2022.1
Notes:
Source-receptor area - Perris - Zone 24 Perris Valley
5-acre area, 100 meters to receptor
Localized mobile source emissions for project operation were calculated for a one mile radius of the project site.

Greenhouse Gas Emissions from Construction and Operation

Greenhouse gases – primarily carbon dioxide (CO_2), methane (CH_4), nitrous (N_2O) oxide, and Refrigerants (R) collectively reported as carbon dioxide equivalents (CO_2e) – are directly emitted from stationary source combustion of natural gas in equipment such as water heaters, boilers, process heaters, and furnaces. GHGs are also emitted from mobile sources such as on-road vehicles and off-road construction equipment burning fuels such as gasoline, diesel, biodiesel, propane, or natural gas (compressed or liquefied). Indirect GHG emissions result from electric power generated elsewhere (i.e., power plants) used to operate process equipment, lighting, and utilities at a facility. Also, included in GHG quantification is electric power used to pump the water supply (e.g., aqueducts, wells, pipelines) and disposal and decomposition of municipal waste in landfills (CARB 2022a).

California's Building Energy Efficiency Standards are updated on an approximately three-year cycle. The 2022 standards improved upon the 2019 standards for new construction of, and additions and alterations to, residential, commercial, and industrial buildings. The 2022 standards went into effect on January 1, 2023 (CEC 2022).

Since the Title 24 standards require energy conservation features in new construction (e.g., high-efficiency lighting, high-efficiency heating, ventilating, and air-conditioning (HVAC) systems, thermal insulation, double-glazed windows, water conserving plumbing fixtures, etc.), they indirectly regulate and reduce GHG emissions.

Using CalEEMod, direct onsite and offsite GHG emissions were estimated for construction and operation, and indirect offsite GHG emissions were estimated to account for electric power used by the proposed project, water conveyance, and solid waste disposal.

Results of Greenhouse Gas Emissions Analyses

The SCAQMD officially adopted an industrial facility mass emissions threshold of 10,000 metric tons (MT) CO_2e per year (SCAQMD 2023) and has proposed a residential/commercial mass emissions threshold of 3,000 metric tons (MT) CO_2e per year. (SCAQMD 2008b)

Table 7 shows the GHG emissions and evaluates them against SCAQMD significance thresholds. Operational efficiency measures incorporate typical code-required energy and water conservation features. Off-site traffic impacts are included in these emissions estimates, along with construction emissions amortized over 30 years.

PROJECTED IMPACT: Less Than Significant (LTS)

Table 7: Greenhouse Gas Emissions Summary and Significance Evaluation

Greenhouse Gases	Design (MT/yr)	Threshold (MT/yr)	Significance
CO_2	2,392	—	—
CH_4	3.34	—	—
N_2O	0.11	—	—
R	199	—	—
CO_2e	2,708	3,000	LTS

CLOSING

Thank you very much for the opportunity to be of assistance to Alabbasi Construction & Engineering. Should you have any questions, please contact me at (949) 324-2909 (mobile) or Tina Darjazanie at (949) 324-9041 (mobile).

Sincerely,

Ernesto Betancourt II

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Enclosures/Attachments:

1. CalEEMod Outputs

AIR QUALITY AND GHG REFERENCES

California Air Resources Board (CARB). 2022a. 2022 Scoping Plan for Achieving Carbon Neutrality. Website (https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents).

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South Coast Air Quality Management District (SCAQMD). 2008a. Localized Significance Threshold Methodology. Website (http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2).

South Coast Air Quality Management District (SCAQMD). 2008b. Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans. Website (http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgboardsynopsis.pdf?sfvrsn=2).

ATTACHMENT 1 – CALEEMOD OUTPUTS

Alabassi Commercial Project (Readjusted Trip Rates) Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Alabassi Commercial Project (Readjusted Trip Rates)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	33.77293462083681, -117.22229402822094
County	Riverside-South Coast
City	Perris
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5519
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Parking Lot	156	1000sqft	3.57	0.00	44,273	—	—	—
General Light Industry	49.8	1000sqft	1.14	49,800	0.00	—	—	—

General Light Industry	49.0	1000sqft	1.12	49,000	0.00	—	—	—
General Light Industry	47.9	1000sqft	1.10	47,880	0.00	—	—	—
Single Family Housing	1.00	Dwelling Unit	0.02	1,200	0.00	—	1.00	—
General Office Building	1.20	1000sqft	0.03	1,200	0.00	—	—	—
Automobile Care Center	1.49	1000sqft	0.03	1,490	0.00	—	—	—
Fast Food Restaurant with Drive Thru	2.02	1000sqft	0.05	2,020	0.00	—	—	—
Convenience Market (24 hour)	4.03	1000sqft	0.09	4,030	0.00	—	—	—
Gasoline/Service Station	6.74	Pump	0.02	952	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-12	Sweep Paved Roads
Construction	C-13	Use Low-VOC Paints for Construction
Area Sources	AS-1	Use Low-VOC Cleaning Supplies
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.63	13.1	19.4	0.03	0.56	1.07	1.64	0.52	0.26	0.78	—	4,165	4,165	0.15	0.17	6.36	4,226
Mit.	1.63	13.1	19.4	0.03	0.56	1.07	1.64	0.52	0.26	0.78	—	4,165	4,165	0.15	0.17	6.36	4,226
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	75.2	39.8	36.7	0.05	1.81	19.9	21.7	1.66	10.2	11.8	—	5,532	5,532	0.23	0.17	0.16	5,553
Mit.	37.9	39.8	36.7	0.05	1.81	5.34	7.14	1.66	2.68	4.34	—	5,532	5,532	0.23	0.17	0.16	5,553
% Reduced	50%	—	—	—	—	73%	67%	—	74%	63%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.29	9.74	12.5	0.02	0.42	1.56	1.98	0.39	0.62	1.01	—	2,667	2,667	0.10	0.10	1.60	2,701
Mit.	2.25	9.74	12.5	0.02	0.42	0.87	1.29	0.39	0.27	0.66	—	2,667	2,667	0.10	0.10	1.60	2,701
% Reduced	48%	—	—	—	—	44%	35%	—	56%	34%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.78	1.78	2.29	< 0.005	0.08	0.28	0.36	0.07	0.11	0.18	—	442	442	0.02	0.02	0.27	447
Mit.	0.41	1.78	2.29	< 0.005	0.08	0.16	0.24	0.07	0.05	0.12	—	442	442	0.02	0.02	0.27	447
% Reduced	48%	—	—	—	—	44%	35%	—	56%	34%	—	—	—	—	—	—	—

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.63	13.1	19.4	0.03	0.56	1.07	1.64	0.52	0.26	0.78	—	4,165	4,165	0.15	0.17	6.36	4,226
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.04	39.8	36.7	0.05	1.81	19.9	21.7	1.66	10.2	11.8	—	5,532	5,532	0.23	0.17	0.16	5,553
2024	75.2	12.5	17.5	0.03	0.51	1.07	1.58	0.47	0.26	0.73	—	4,061	4,061	0.16	0.17	0.16	4,116
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.15	9.74	12.5	0.02	0.42	1.56	1.98	0.39	0.62	1.01	—	2,667	2,667	0.10	0.10	1.60	2,701
2024	4.29	1.25	1.79	< 0.005	0.05	0.09	0.14	0.05	0.02	0.07	—	358	358	0.01	0.01	0.19	362
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.21	1.78	2.29	< 0.005	0.08	0.28	0.36	0.07	0.11	0.18	—	442	442	0.02	0.02	0.27	447
2024	0.78	0.23	0.33	< 0.005	0.01	0.02	0.03	0.01	< 0.005	0.01	—	59.2	59.2	< 0.005	< 0.005	0.03	59.9

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.63	13.1	19.4	0.03	0.56	1.07	1.64	0.52	0.26	0.78	—	4,165	4,165	0.15	0.17	6.36	4,226
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.04	39.8	36.7	0.05	1.81	5.34	7.14	1.66	2.68	4.34	—	5,532	5,532	0.23	0.17	0.16	5,553
2024	37.9	12.5	17.5	0.03	0.51	1.07	1.58	0.47	0.26	0.73	—	4,061	4,061	0.16	0.17	0.16	4,116

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.15	9.74	12.5	0.02	0.42	0.87	1.29	0.39	0.27	0.66	—	2,667	2,667	0.10	0.10	1.60	2,701
2024	2.25	1.25	1.79	< 0.005	0.05	0.09	0.14	0.05	0.02	0.07	—	358	358	0.01	0.01	0.19	362
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.21	1.78	2.29	< 0.005	0.08	0.16	0.24	0.07	0.05	0.12	—	442	442	0.02	0.02	0.27	447
2024	0.41	0.23	0.33	< 0.005	0.01	0.02	0.03	0.01	< 0.005	0.01	—	59.2	59.2	< 0.005	< 0.005	0.03	59.9

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.7	11.2	93.0	0.21	0.37	6.44	6.81	0.36	1.14	1.51	200	25,316	25,516	20.4	1.08	1,267	27,616
Mit.	14.2	11.2	93.0	0.21	0.37	6.44	6.81	0.36	1.14	1.51	200	25,316	25,516	20.4	1.08	1,267	27,616
% Reduced	3%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.9	11.8	72.4	0.20	0.36	6.44	6.80	0.35	1.14	1.49	200	24,057	24,257	20.5	1.11	1,188	26,287
Mit.	12.4	11.8	72.4	0.20	0.36	6.44	6.80	0.35	1.14	1.49	200	24,057	24,257	20.5	1.11	1,188	26,287
% Reduced	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.6	7.43	46.6	0.10	0.22	2.98	3.20	0.22	0.53	0.75	191	14,152	14,344	20.1	0.69	1,202	16,255
Mit.	11.2	7.43	46.6	0.10	0.22	2.98	3.20	0.22	0.53	0.75	191	14,152	14,344	20.1	0.69	1,202	16,255

% Reduced	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.13	1.36	8.50	0.02	0.04	0.54	0.58	0.04	0.10	0.14	31.7	2,343	2,375	3.34	0.11	199	2,691
Mit.	2.04	1.36	8.50	0.02	0.04	0.54	0.58	0.04	0.10	0.14	31.7	2,343	2,375	3.34	0.11	199	2,691
% Reduced	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.41	9.31	84.1	0.20	0.15	6.44	6.59	0.14	1.14	1.29	—	20,129	20,129	0.81	0.89	81.3	20,496
Area	5.18	0.08	7.36	< 0.005	0.08	—	0.08	0.08	—	0.08	9.37	46.0	55.4	0.03	< 0.005	—	56.3
Energy	0.10	1.82	1.52	0.01	0.14	—	0.14	0.14	—	0.14	—	4,785	4,785	0.35	0.02	—	4,801
Water	—	—	—	—	—	—	—	—	—	—	67.7	356	423	6.96	0.17	—	647
Waste	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,186	1,186
Total	14.7	11.2	93.0	0.21	0.37	6.44	6.81	0.36	1.14	1.51	200	25,316	25,516	20.4	1.08	1,267	27,616
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.73	9.99	70.4	0.18	0.15	6.44	6.59	0.14	1.14	1.29	—	18,898	18,898	0.84	0.92	2.11	19,196
Area	4.06	0.02	0.51	< 0.005	0.07	—	0.07	0.07	—	0.07	9.37	17.9	27.3	0.03	< 0.005	—	28.1
Energy	0.10	1.82	1.52	0.01	0.14	—	0.14	0.14	—	0.14	—	4,785	4,785	0.35	0.02	—	4,801
Water	—	—	—	—	—	—	—	—	—	—	67.7	356	423	6.96	0.17	—	647
Waste	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,186	1,186
Total	12.9	11.8	72.4	0.20	0.36	6.44	6.80	0.35	1.14	1.49	200	24,057	24,257	20.5	1.11	1,188	26,287
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.97	5.57	40.3	0.09	0.07	2.98	3.05	0.07	0.53	0.60	—	8,991	8,991	0.55	0.50	16.2	9,170
Area	4.58	0.04	4.73	< 0.005	0.01	—	0.01	0.01	—	0.01	0.64	20.5	21.1	< 0.005	< 0.005	—	21.3
Energy	0.10	1.82	1.52	0.01	0.14	—	0.14	0.14	—	0.14	—	4,785	4,785	0.35	0.02	—	4,801
Water	—	—	—	—	—	—	—	—	—	—	67.7	356	423	6.96	0.17	—	647
Waste	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,186	1,186
Total	11.6	7.43	46.6	0.10	0.22	2.98	3.20	0.22	0.53	0.75	191	14,152	14,344	20.1	0.69	1,202	16,255
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.27	1.02	7.36	0.02	0.01	0.54	0.56	0.01	0.10	0.11	—	1,489	1,489	0.09	0.08	2.69	1,518
Area	0.84	0.01	0.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.11	3.39	3.50	< 0.005	< 0.005	—	3.52
Energy	0.02	0.33	0.28	< 0.005	0.03	—	0.03	0.03	—	0.03	—	792	792	0.06	< 0.005	—	795
Water	—	—	—	—	—	—	—	—	—	—	11.2	58.9	70.1	1.15	0.03	—	107
Waste	—	—	—	—	—	—	—	—	—	—	20.3	0.00	20.3	2.03	0.00	—	71.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	196	196
Total	2.13	1.36	8.50	0.02	0.04	0.54	0.58	0.04	0.10	0.14	31.7	2,343	2,375	3.34	0.11	199	2,691

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.41	9.31	84.1	0.20	0.15	6.44	6.59	0.14	1.14	1.29	—	20,129	20,129	0.81	0.89	81.3	20,496
Area	4.72	0.08	7.36	< 0.005	0.08	—	0.08	0.08	—	0.08	9.37	46.0	55.4	0.03	< 0.005	—	56.3

Energy	0.10	1.82	1.52	0.01	0.14	—	0.14	0.14	—	0.14	—	4,785	4,785	0.35	0.02	—	4,801
Water	—	—	—	—	—	—	—	—	—	—	67.7	356	423	6.96	0.17	—	647
Waste	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,186	1,186
Total	14.2	11.2	93.0	0.21	0.37	6.44	6.81	0.36	1.14	1.51	200	25,316	25,516	20.4	1.08	1,267	27,616
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.73	9.99	70.4	0.18	0.15	6.44	6.59	0.14	1.14	1.29	—	18,898	18,898	0.84	0.92	2.11	19,196
Area	3.60	0.02	0.51	< 0.005	0.07	—	0.07	0.07	—	0.07	9.37	17.9	27.3	0.03	< 0.005	—	28.1
Energy	0.10	1.82	1.52	0.01	0.14	—	0.14	0.14	—	0.14	—	4,785	4,785	0.35	0.02	—	4,801
Water	—	—	—	—	—	—	—	—	—	—	67.7	356	423	6.96	0.17	—	647
Waste	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,186	1,186
Total	12.4	11.8	72.4	0.20	0.36	6.44	6.80	0.35	1.14	1.49	200	24,057	24,257	20.5	1.11	1,188	26,287
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.97	5.57	40.3	0.09	0.07	2.98	3.05	0.07	0.53	0.60	—	8,991	8,991	0.55	0.50	16.2	9,170
Area	4.12	0.04	4.73	< 0.005	0.01	—	0.01	0.01	—	0.01	0.64	20.5	21.1	< 0.005	< 0.005	—	21.3
Energy	0.10	1.82	1.52	0.01	0.14	—	0.14	0.14	—	0.14	—	4,785	4,785	0.35	0.02	—	4,801
Water	—	—	—	—	—	—	—	—	—	—	67.7	356	423	6.96	0.17	—	647
Waste	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,186	1,186
Total	11.2	7.43	46.6	0.10	0.22	2.98	3.20	0.22	0.53	0.75	191	14,152	14,344	20.1	0.69	1,202	16,255
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.27	1.02	7.36	0.02	0.01	0.54	0.56	0.01	0.10	0.11	—	1,489	1,489	0.09	0.08	2.69	1,518
Area	0.75	0.01	0.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.11	3.39	3.50	< 0.005	< 0.005	—	3.52
Energy	0.02	0.33	0.28	< 0.005	0.03	—	0.03	0.03	—	0.03	—	792	792	0.06	< 0.005	—	795
Water	—	—	—	—	—	—	—	—	—	—	11.2	58.9	70.1	1.15	0.03	—	107

Waste	—	—	—	—	—	—	—	—	—	—	20.3	0.00	20.3	2.03	0.00	—	71.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	196	196
Total	2.04	1.36	8.50	0.02	0.04	0.54	0.58	0.04	0.10	0.14	31.7	2,343	2,375	3.34	0.11	199	2,691

3. Construction Emissions Details

3.1. Site Preparation (2023) - Unmitigated

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

Location	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	3.95	39.7	35.5	0.05	1.81	—	1.81	1.66	—	1.66	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.09	0.97	< 0.005	0.05	—	0.05	0.05	—	0.05	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	0.54	0.54	—	0.28	0.28	—	—	—	—	—	—	—

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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.20	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	0.10	0.10	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.20	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	236	236	0.01	0.01	0.03	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.55	6.55	< 0.005	< 0.005	0.01	6.65
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.09	1.09	< 0.005	< 0.005	< 0.005	1.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	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 (2023) - Mitigated

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

Location	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	3.95	39.7	35.5	0.05	1.81	—	1.81	1.66	—	1.66	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	1.09	0.97	< 0.005	0.05	—	0.05	0.05	—	0.05	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	0.14	0.14	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.20	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1

Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.11	1.20	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	236	236	0.01	0.01	0.03	239
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.55	6.55	< 0.005	< 0.005	0.01	6.65
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.09	1.09	< 0.005	< 0.005	< 0.005	1.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	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 (2023) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.04	20.0	19.7	0.03	0.94	—	0.94	0.87	—	0.87	—	2,958	2,958	0.12	0.02	—	2,968
Dust From Material Movement	—	—	—	—	—	7.08	7.08	—	3.42	3.42	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.09	1.08	< 0.005	0.05	—	0.05	0.05	—	0.05	—	162	162	0.01	< 0.005	—	163
Dust From Material Movement	—	—	—	—	—	0.39	0.39	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.20	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.8	26.8	< 0.005	< 0.005	—	26.9
Dust From Material Movement	—	—	—	—	—	0.07	0.07	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.09	1.03	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	202	202	0.01	0.01	0.02	205
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.01	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	11.2	11.2	< 0.005	< 0.005	0.02	11.4
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
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.86	1.86	< 0.005	< 0.005	< 0.005	1.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	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 (2023) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.04	20.0	19.7	0.03	0.94	—	0.94	0.87	—	0.87	—	2,958	2,958	0.12	0.02	—	2,968

Dust From Material Movement	—	—	—	—	—	1.84	1.84	—	0.89	0.89	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.09	1.08	< 0.005	0.05	—	0.05	0.05	—	0.05	—	162	162	0.01	< 0.005	—	163
Dust From Material Movement	—	—	—	—	—	0.10	0.10	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.20	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	26.8	26.8	< 0.005	< 0.005	—	26.9
Dust From Material Movement	—	—	—	—	—	0.02	0.02	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.09	1.03	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	202	202	0.01	0.01	0.02	205
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.01	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	11.2	11.2	< 0.005	< 0.005	0.02	11.4
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
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.86	1.86	< 0.005	< 0.005	< 0.005	1.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	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 (2023) - Unmitigated

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

Location	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	1.26	11.8	13.2	0.02	0.55	—	0.55	0.51	—	0.51	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	1.26	11.8	13.2	0.02	0.55	—	0.55	0.51	—	0.51	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.72	6.75	7.53	0.01	0.32	—	0.32	0.29	—	0.29	—	1,370	1,370	0.06	0.01	—	1,375
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.23	1.37	< 0.005	0.06	—	0.06	0.05	—	0.05	—	227	227	0.01	< 0.005	—	228
Onsite truck	0.00	0.00	0.00	0.00	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	0.35	0.34	5.92	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	959	959	0.04	0.03	4.11	974
Vendor	0.02	0.94	0.29	0.01	0.01	0.05	0.06	0.01	0.02	0.03	—	808	808	0.02	0.12	2.25	847
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.40	4.49	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	881	881	0.04	0.03	0.11	892
Vendor	0.02	0.99	0.30	0.01	0.01	0.05	0.06	0.01	0.02	0.03	—	809	809	0.02	0.12	0.06	845
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.19	0.23	2.69	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	510	510	0.02	0.02	1.01	517
Vendor	0.01	0.57	0.17	< 0.005	0.01	0.03	0.03	0.01	0.01	0.02	—	462	462	0.01	0.07	0.56	483
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.49	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	84.4	84.4	< 0.005	< 0.005	0.17	85.6
Vendor	< 0.005	0.10	0.03	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	76.5	76.5	< 0.005	0.01	0.09	80.0
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

3.6. Building Construction (2023) - Mitigated

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

Location	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	1.26	11.8	13.2	0.02	0.55	—	0.55	0.51	—	0.51	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	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	1.26	11.8	13.2	0.02	0.55	—	0.55	0.51	—	0.51	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.72	6.75	7.53	0.01	0.32	—	0.32	0.29	—	0.29	—	1,370	1,370	0.06	0.01	—	1,375
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	1.23	1.37	< 0.005	0.06	—	0.06	0.05	—	0.05	—	227	227	0.01	< 0.005	—	228
Onsite truck	0.00	0.00	0.00	0.00	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	0.35	0.34	5.92	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	959	959	0.04	0.03	4.11	974
Vendor	0.02	0.94	0.29	0.01	0.01	0.05	0.06	0.01	0.02	0.03	—	808	808	0.02	0.12	2.25	847
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.40	4.49	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	881	881	0.04	0.03	0.11	892
Vendor	0.02	0.99	0.30	0.01	0.01	0.05	0.06	0.01	0.02	0.03	—	809	809	0.02	0.12	0.06	845
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.19	0.23	2.69	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	510	510	0.02	0.02	1.01	517
Vendor	0.01	0.57	0.17	< 0.005	0.01	0.03	0.03	0.01	0.01	0.02	—	462	462	0.01	0.07	0.56	483
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.04	0.49	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	84.4	84.4	< 0.005	< 0.005	0.17	85.6
Vendor	< 0.005	0.10	0.03	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	76.5	76.5	< 0.005	0.01	0.09	80.0
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

3.7. Building Construction (2024) - Unmitigated

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

Location	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	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.68	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.12	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.1	24.1	< 0.005	< 0.005	—	24.2
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.37	4.12	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	863	863	0.04	0.03	0.10	874
Vendor	0.02	0.95	0.29	0.01	0.01	0.05	0.06	0.01	0.02	0.03	—	800	800	0.02	0.12	0.06	836
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.26	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	53.0	53.0	< 0.005	< 0.005	0.10	53.8
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	48.5	48.5	< 0.005	0.01	0.06	50.7
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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	8.78	8.78	< 0.005	< 0.005	0.02	8.91
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.03	8.03	< 0.005	< 0.005	0.01	8.40
Hauling	0.00	0.00	0.00	0.00	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 (2024) - Mitigated

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

Location	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	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.68	0.80	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146
Onsite truck	0.00	0.00	0.00	0.00	0.00	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	0.12	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.1	24.1	< 0.005	< 0.005	—	24.2
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.37	4.12	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	863	863	0.04	0.03	0.10	874
Vendor	0.02	0.95	0.29	0.01	0.01	0.05	0.06	0.01	0.02	0.03	—	800	800	0.02	0.12	0.06	836
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.26	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	53.0	53.0	< 0.005	< 0.005	0.10	53.8
Vendor	< 0.005	0.06	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	48.5	48.5	< 0.005	0.01	0.06	50.7
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	8.78	8.78	< 0.005	< 0.005	0.02	8.91
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.03	8.03	< 0.005	< 0.005	0.01	8.40
Hauling	0.00	0.00	0.00	0.00	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. Paving (2024) - Unmitigated

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

Location	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	0.85	7.81	10.0	0.01	0.39	—	0.39	0.36	—	0.36	—	1,512	1,512	0.06	0.01	—	1,517

Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.43	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.95	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	198	198	0.01	0.01	0.02	201
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	11.0	11.0	< 0.005	< 0.005	0.02	11.2
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
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.82	1.82	< 0.005	< 0.005	< 0.005	1.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	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. Paving (2024) - Mitigated

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

Location	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	0.85	7.81	10.0	0.01	0.39	—	0.39	0.36	—	0.36	—	1,512	1,512	0.06	0.01	—	1,517
Paving	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.43	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.09	0.95	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	198	198	0.01	0.01	0.02	201
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	11.0	11.0	< 0.005	< 0.005	0.02	11.2
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
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.82	1.82	< 0.005	< 0.005	< 0.005	1.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	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. Architectural Coating (2024) - Unmitigated

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

Location	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	0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	75.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	4.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	0.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	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	0.07	0.82	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	173	173	0.01	0.01	0.02	175

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	9.58	9.58	< 0.005	< 0.005	0.02	9.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.61
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	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. Architectural Coating (2024) - Mitigated

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

Location	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	0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	37.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.32	7.32	< 0.005	< 0.005	—	7.34
Architectural Coatings	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.21	1.21	< 0.005	< 0.005	—	1.22
Architectural Coatings	0.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.07	0.82	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	173	173	0.01	0.01	0.02	175
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.05	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	9.58	9.58	< 0.005	< 0.005	0.02	9.72
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.61

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
General Light Industry	0.34	0.33	3.02	0.01	0.01	0.23	0.24	0.01	0.04	0.05	—	723	723	0.03	0.03	2.92	736
Single Family Housing	0.04	0.04	0.32	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	73.9	73.9	< 0.005	< 0.005	0.30	75.3
General Office Building	0.05	0.05	0.48	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	115	115	< 0.005	0.01	0.47	117
Automobile Care Center	0.10	0.10	0.87	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	209	209	0.01	0.01	0.84	212
Fast Food Restaurant with Drive Thru	0.40	0.39	3.56	0.01	0.01	0.27	0.28	0.01	0.05	0.05	—	851	851	0.03	0.04	3.44	867

Convenience	1.30	1.28	11.6	0.03	0.02	0.89	0.91	0.02	0.16	0.18	—	2,776	2,776	0.11	0.12	11.2	2,826
Gasoline/ Service Station	7.18	7.12	64.3	0.15	0.12	4.92	5.04	0.11	0.87	0.98	—	15,382	15,382	0.62	0.68	62.1	15,662
Total	9.41	9.31	84.1	0.20	0.15	6.44	6.59	0.14	1.14	1.29	—	20,129	20,129	0.81	0.89	81.3	20,496
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
General Light Industry	0.31	0.36	2.53	0.01	0.01	0.23	0.24	0.01	0.04	0.05	—	679	679	0.03	0.03	0.08	690
Single Family Housing	0.04	0.04	0.27	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	69.4	69.4	< 0.005	< 0.005	0.01	70.6
General Office Building	0.05	0.06	0.40	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.01	0.01	110
Automobile Care Center	0.09	0.10	0.73	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	196	196	0.01	0.01	0.02	199
Fast Food Restaurant with Drive Thru	0.37	0.42	2.98	0.01	0.01	0.27	0.28	0.01	0.05	0.05	—	799	799	0.04	0.04	0.09	812
Convenience Market (24 hour)	1.20	1.38	9.70	0.03	0.02	0.89	0.91	0.02	0.16	0.18	—	2,606	2,606	0.12	0.13	0.29	2,647
Gasoline/ Service Station	6.67	7.63	53.8	0.14	0.12	4.92	5.04	0.11	0.87	0.98	—	14,441	14,441	0.65	0.70	1.61	14,668
Total	8.73	9.99	70.4	0.18	0.15	6.44	6.59	0.14	1.14	1.29	—	18,898	18,898	0.84	0.92	2.11	19,196

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
General Light Industry	0.05	0.06	0.43	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	103	103	< 0.005	0.01	0.19	105
Single Family Housing	0.01	0.01	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.02	11.5
General Office Building	0.01	0.01	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.03	13.9
Automobile Care Center	0.01	0.01	0.09	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.2	20.2	< 0.005	< 0.005	0.04	20.6
Fast Food Restaurant with Drive Thru	0.05	0.04	0.28	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	57.5	57.5	< 0.005	< 0.005	0.10	58.6
Convenience Market (24 hour)	0.15	0.13	0.93	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	195	195	0.01	0.01	0.35	199
Gasoline/ Service Station	1.00	0.76	5.52	0.01	0.01	0.40	0.41	0.01	0.07	0.08	—	1,088	1,088	0.07	0.06	1.96	1,110
Total	1.27	1.02	7.36	0.02	0.01	0.54	0.56	0.01	0.10	0.11	—	1,489	1,489	0.09	0.08	2.69	1,518

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

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
General Light Industry	0.34	0.33	3.02	0.01	0.01	0.23	0.24	0.01	0.04	0.05	—	723	723	0.03	0.03	2.92	736
Single Family Housing	0.04	0.04	0.32	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	73.9	73.9	< 0.005	< 0.005	0.30	75.3
General Office Building	0.05	0.05	0.48	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	115	115	< 0.005	0.01	0.47	117
Automobile Care Center	0.10	0.10	0.87	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	209	209	0.01	0.01	0.84	212
Fast Food Restaurant with Drive Thru	0.40	0.39	3.56	0.01	0.01	0.27	0.28	0.01	0.05	0.05	—	851	851	0.03	0.04	3.44	867
Convenience Market (24 hour)	1.30	1.28	11.6	0.03	0.02	0.89	0.91	0.02	0.16	0.18	—	2,776	2,776	0.11	0.12	11.2	2,826
Gasoline/ Service Station	7.18	7.12	64.3	0.15	0.12	4.92	5.04	0.11	0.87	0.98	—	15,382	15,382	0.62	0.68	62.1	15,662
Total	9.41	9.31	84.1	0.20	0.15	6.44	6.59	0.14	1.14	1.29	—	20,129	20,129	0.81	0.89	81.3	20,496
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
General Light Industry	0.31	0.36	2.53	0.01	0.01	0.23	0.24	0.01	0.04	0.05	—	679	679	0.03	0.03	0.08	690

Single Family Housing	0.04	0.04	0.27	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	69.4	69.4	< 0.005	< 0.005	0.01	70.6
General Office Building	0.05	0.06	0.40	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	108	108	< 0.005	0.01	0.01	110
Automobile Care Center	0.09	0.10	0.73	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	196	196	0.01	0.01	0.02	199
Fast Food Restaurant with Drive Thru	0.37	0.42	2.98	0.01	0.01	0.27	0.28	0.01	0.05	0.05	—	799	799	0.04	0.04	0.09	812
Convenience Market (24 hour)	1.20	1.38	9.70	0.03	0.02	0.89	0.91	0.02	0.16	0.18	—	2,606	2,606	0.12	0.13	0.29	2,647
Gasoline/ Service Station	6.67	7.63	53.8	0.14	0.12	4.92	5.04	0.11	0.87	0.98	—	14,441	14,441	0.65	0.70	1.61	14,668
Total	8.73	9.99	70.4	0.18	0.15	6.44	6.59	0.14	1.14	1.29	—	18,898	18,898	0.84	0.92	2.11	19,196
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
General Light Industry	0.05	0.06	0.43	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	103	103	< 0.005	0.01	0.19	105
Single Family Housing	0.01	0.01	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	0.02	11.5
General Office Building	0.01	0.01	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.03	13.9

Automobile Care Center	0.01	0.01	0.09	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	20.2	20.2	< 0.005	< 0.005	0.04	20.6
Fast Food Restaurant with Drive Thru	0.05	0.04	0.28	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	57.5	57.5	< 0.005	< 0.005	0.10	58.6
Convenience Market (24 hour)	0.15	0.13	0.93	< 0.005	< 0.005	0.07	0.07	< 0.005	0.01	0.01	—	195	195	0.01	0.01	0.35	199
Gasoline/ Service Station	1.00	0.76	5.52	0.01	0.01	0.40	0.41	0.01	0.07	0.08	—	1,088	1,088	0.07	0.06	1.96	1,110
Total	1.27	1.02	7.36	0.02	0.01	0.54	0.56	0.01	0.10	0.11	—	1,489	1,489	0.09	0.08	2.69	1,518

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	199	199	0.01	< 0.005	—	199
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2,046	2,046	0.13	0.02	—	2,053
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	13.6	13.6	< 0.005	< 0.005	—	13.7

General Office Building	—	—	—	—	—	—	—	—	—	—	—	30.5	30.5	< 0.005	< 0.005	—	30.6
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	20.8	20.8	< 0.005	< 0.005	—	20.9
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	103	103	0.01	< 0.005	—	104
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	188	188	0.01	< 0.005	—	189
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	—	13.3	13.3	< 0.005	< 0.005	—	13.3
Total	—	—	—	—	—	—	—	—	—	—	—	2,614	2,614	0.16	0.02	—	2,624
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	199	199	0.01	< 0.005	—	199
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2,046	2,046	0.13	0.02	—	2,053
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	13.6	13.6	< 0.005	< 0.005	—	13.7
General Office Building	—	—	—	—	—	—	—	—	—	—	—	30.5	30.5	< 0.005	< 0.005	—	30.6
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	20.8	20.8	< 0.005	< 0.005	—	20.9

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	103	103	0.01	< 0.005	—	104
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	188	188	0.01	< 0.005	—	189
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	—	13.3	13.3	< 0.005	< 0.005	—	13.3
Total	—	—	—	—	—	—	—	—	—	—	—	2,614	2,614	0.16	0.02	—	2,624
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	32.9	32.9	< 0.005	< 0.005	—	33.0
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	339	339	0.02	< 0.005	—	340
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.25	2.25	< 0.005	< 0.005	—	2.26
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05	< 0.005	< 0.005	—	5.07
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	3.44	3.44	< 0.005	< 0.005	—	3.45
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	17.1	17.1	< 0.005	< 0.005	—	17.2
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	31.2	31.2	< 0.005	< 0.005	—	31.3

Gasoline/ Station	—	—	—	—	—	—	—	—	—	—	—	2.20	2.20	< 0.005	< 0.005	—	2.21
Total	—	—	—	—	—	—	—	—	—	—	—	433	433	0.03	< 0.005	—	434

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	199	199	0.01	< 0.005	—	199
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2,046	2,046	0.13	0.02	—	2,053
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	13.6	13.6	< 0.005	< 0.005	—	13.7
General Office Building	—	—	—	—	—	—	—	—	—	—	—	30.5	30.5	< 0.005	< 0.005	—	30.6
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	20.8	20.8	< 0.005	< 0.005	—	20.9
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	103	103	0.01	< 0.005	—	104
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	188	188	0.01	< 0.005	—	189

Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	—	13.3	13.3	< 0.005	< 0.005	—	13.3
Total	—	—	—	—	—	—	—	—	—	—	—	2,614	2,614	0.16	0.02	—	2,624
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	199	199	0.01	< 0.005	—	199
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	2,046	2,046	0.13	0.02	—	2,053
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	13.6	13.6	< 0.005	< 0.005	—	13.7
General Office Building	—	—	—	—	—	—	—	—	—	—	—	30.5	30.5	< 0.005	< 0.005	—	30.6
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	20.8	20.8	< 0.005	< 0.005	—	20.9
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	103	103	0.01	< 0.005	—	104
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	188	188	0.01	< 0.005	—	189
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	—	13.3	13.3	< 0.005	< 0.005	—	13.3
Total	—	—	—	—	—	—	—	—	—	—	—	2,614	2,614	0.16	0.02	—	2,624
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	32.9	32.9	< 0.005	< 0.005	—	33.0
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	339	339	0.02	< 0.005	—	340
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.25	2.25	< 0.005	< 0.005	—	2.26
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.05	5.05	< 0.005	< 0.005	—	5.07
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	3.44	3.44	< 0.005	< 0.005	—	3.45
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	17.1	17.1	< 0.005	< 0.005	—	17.2
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	31.2	31.2	< 0.005	< 0.005	—	31.3
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	—	2.20	2.20	< 0.005	< 0.005	—	2.21
Total	—	—	—	—	—	—	—	—	—	—	—	433	433	0.03	< 0.005	—	434

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

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
General Light Industry	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	2,019	2,019	0.18	< 0.005	—	2,025
Single Family Housing	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4
General Office Building	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.6	10.6	< 0.005	< 0.005	—	10.6
Automobile Care Center	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.5	20.5	< 0.005	< 0.005	—	20.6
Fast Food Restaurant with Drive Thru	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	73.8	73.8	0.01	< 0.005	—	74.0
Convenience Market (24 hour)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.7	21.7	< 0.005	< 0.005	—	21.7
Gasoline/ Service Station	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.1	13.1	< 0.005	< 0.005	—	13.1
Total	0.10	1.82	1.52	0.01	0.14	—	0.14	0.14	—	0.14	—	2,170	2,170	0.19	< 0.005	—	2,176
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
General Light Industry	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	2,019	2,019	0.18	< 0.005	—	2,025

Single Family Housing	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4
General Office Building	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.6	10.6	< 0.005	< 0.005	—	10.6
Automobile Care Center	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.5	20.5	< 0.005	< 0.005	—	20.6
Fast Food Restaurant with Drive Thru	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	73.8	73.8	0.01	< 0.005	—	74.0
Convenience Market (24 hour)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.7	21.7	< 0.005	< 0.005	—	21.7
Gasoline/ Service Station	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.1	13.1	< 0.005	< 0.005	—	13.1
Total	0.10	1.82	1.52	0.01	0.14	—	0.14	0.14	—	0.14	—	2,170	2,170	0.19	< 0.005	—	2,176
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
General Light Industry	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	334	334	0.03	< 0.005	—	335
Single Family Housing	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.89	1.89	< 0.005	< 0.005	—	1.89
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.76	1.76	< 0.005	< 0.005	—	1.76

Automobile Care Center	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.40	3.40	< 0.005	< 0.005	—	3.41
Fast Food Restaurant with Drive Thru	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.2	12.2	< 0.005	< 0.005	—	12.3
Convenience Market (24 hour)	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.59	3.59	< 0.005	< 0.005	—	3.60
Gasoline/ Service Station	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.17	2.17	< 0.005	< 0.005	—	2.18
Total	0.02	0.33	0.28	< 0.005	0.03	—	0.03	0.03	—	0.03	—	359	359	0.03	< 0.005	—	360

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
General Light Industry	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	2,019	2,019	0.18	< 0.005	—	2,025
Single Family Housing	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4
General Office Building	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.6	10.6	< 0.005	< 0.005	—	10.6

Automobile	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.5	20.5	< 0.005	< 0.005	—	20.6
Fast Food Restaurant with Drive Thru	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	73.8	73.8	0.01	< 0.005	—	74.0
Convenience Market (24 hour)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.7	21.7	< 0.005	< 0.005	—	21.7
Gasoline/ Service Station	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.1	13.1	< 0.005	< 0.005	—	13.1
Total	0.10	1.82	1.52	0.01	0.14	—	0.14	0.14	—	0.14	—	2,170	2,170	0.19	< 0.005	—	2,176
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
General Light Industry	0.09	1.69	1.42	0.01	0.13	—	0.13	0.13	—	0.13	—	2,019	2,019	0.18	< 0.005	—	2,025
Single Family Housing	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.4	11.4	< 0.005	< 0.005	—	11.4
General Office Building	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.6	10.6	< 0.005	< 0.005	—	10.6
Automobile Care Center	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.5	20.5	< 0.005	< 0.005	—	20.6
Fast Food Restaurant with Drive Thru	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	73.8	73.8	0.01	< 0.005	—	74.0

Convenie Market (24 hour)	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	21.7	21.7	< 0.005	< 0.005	—	21.7
Gasoline/ Service Station	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.1	13.1	< 0.005	< 0.005	—	13.1
Total	0.10	1.82	1.52	0.01	0.14	—	0.14	0.14	—	0.14	—	2,170	2,170	0.19	< 0.005	—	2,176
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
General Light Industry	0.02	0.31	0.26	< 0.005	0.02	—	0.02	0.02	—	0.02	—	334	334	0.03	< 0.005	—	335
Single Family Housing	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.89	1.89	< 0.005	< 0.005	—	1.89
General Office Building	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.76	1.76	< 0.005	< 0.005	—	1.76
Automobil e Care Center	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.40	3.40	< 0.005	< 0.005	—	3.41
Fast Food Restaurant with Drive Thru	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.2	12.2	< 0.005	< 0.005	—	12.3
Convenie nce Market (24 hour)	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.59	3.59	< 0.005	< 0.005	—	3.60
Gasoline/ Service Station	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.17	2.17	< 0.005	< 0.005	—	2.18
Total	0.02	0.33	0.28	< 0.005	0.03	—	0.03	0.03	—	0.03	—	359	359	0.03	< 0.005	—	360

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.26	0.02	0.51	< 0.005	0.07	—	0.07	0.07	—	0.07	9.37	17.9	27.3	0.03	< 0.005	—	28.1
Consumer Products	3.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.12	0.06	6.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.1	28.1	< 0.005	< 0.005	—	28.2
Total	5.18	0.08	7.36	< 0.005	0.08	—	0.08	0.08	—	0.08	9.37	46.0	55.4	0.03	< 0.005	—	56.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.26	0.02	0.51	< 0.005	0.07	—	0.07	0.07	—	0.07	9.37	17.9	27.3	0.03	< 0.005	—	28.1
Consumer Products	3.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	4.06	0.02	0.51	< 0.005	0.07	—	0.07	0.07	—	0.07	9.37	17.9	27.3	0.03	< 0.005	—	28.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.11	0.20	0.31	< 0.005	< 0.005	—	0.32

Consumer Products	0.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.14	0.01	0.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.19	3.19	< 0.005	< 0.005	—	3.20
Total	0.84	0.01	0.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.11	3.39	3.50	< 0.005	< 0.005	—	3.52

4.3.1. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.26	0.02	0.51	< 0.005	0.07	—	0.07	0.07	—	0.07	9.37	17.9	27.3	0.03	< 0.005	—	28.1
Consumer Products	3.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.12	0.06	6.86	< 0.005	0.01	—	0.01	0.01	—	0.01	—	28.1	28.1	< 0.005	< 0.005	—	28.2
Total	4.72	0.08	7.36	< 0.005	0.08	—	0.08	0.08	—	0.08	9.37	46.0	55.4	0.03	< 0.005	—	56.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.26	0.02	0.51	< 0.005	0.07	—	0.07	0.07	—	0.07	9.37	17.9	27.3	0.03	< 0.005	—	28.1

Consumer	3.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.60	0.02	0.51	< 0.005	0.07	—	0.07	0.07	—	0.07	9.37	17.9	27.3	0.03	< 0.005	—	28.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.11	0.20	0.31	< 0.005	< 0.005	—	0.32
Consumer Products	0.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.14	0.01	0.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.19	3.19	< 0.005	< 0.005	—	3.20
Total	0.75	0.01	0.86	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.11	3.39	3.50	< 0.005	< 0.005	—	3.52

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	5.43	5.43	< 0.005	< 0.005	—	5.45
General Light Industry	—	—	—	—	—	—	—	—	—	—	65.0	337	402	6.69	0.16	—	617

Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.08	0.40	0.48	0.01	< 0.005	—	0.74
General Office Building	—	—	—	—	—	—	—	—	—	—	0.41	2.12	2.52	0.04	< 0.005	—	3.88
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	0.27	1.39	1.66	0.03	< 0.005	—	2.55
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	1.17	6.08	7.26	0.12	< 0.005	—	11.1
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	0.57	2.96	3.53	0.06	< 0.005	—	5.43
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	0.17	0.89	1.06	0.02	< 0.005	—	1.63
Total	—	—	—	—	—	—	—	—	—	—	67.7	356	423	6.96	0.17	—	647
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	5.43	5.43	< 0.005	< 0.005	—	5.45
General Light Industry	—	—	—	—	—	—	—	—	—	—	65.0	337	402	6.69	0.16	—	617
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.08	0.40	0.48	0.01	< 0.005	—	0.74
General Office Building	—	—	—	—	—	—	—	—	—	—	0.41	2.12	2.52	0.04	< 0.005	—	3.88

Automobil Care Center	—	—	—	—	—	—	—	—	—	—	0.27	1.39	1.66	0.03	< 0.005	—	2.55
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	1.17	6.08	7.26	0.12	< 0.005	—	11.1
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	0.57	2.96	3.53	0.06	< 0.005	—	5.43
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	0.17	0.89	1.06	0.02	< 0.005	—	1.63
Total	—	—	—	—	—	—	—	—	—	—	67.7	356	423	6.96	0.17	—	647
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.90	0.90	< 0.005	< 0.005	—	0.90
General Light Industry	—	—	—	—	—	—	—	—	—	—	10.8	55.7	66.5	1.11	0.03	—	102
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.01	0.07	0.08	< 0.005	< 0.005	—	0.12
General Office Building	—	—	—	—	—	—	—	—	—	—	0.07	0.35	0.42	0.01	< 0.005	—	0.64
Automobil e Care Center	—	—	—	—	—	—	—	—	—	—	0.04	0.23	0.27	< 0.005	< 0.005	—	0.42
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	0.19	1.01	1.20	0.02	< 0.005	—	1.85

Convenience	—	—	—	—	—	—	—	—	—	—	0.09	0.49	0.59	0.01	< 0.005	—	0.90
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	0.03	0.15	0.18	< 0.005	< 0.005	—	0.27
Total	—	—	—	—	—	—	—	—	—	—	11.2	58.9	70.1	1.15	0.03	—	107

4.4.1. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	5.43	5.43	< 0.005	< 0.005	—	5.45
General Light Industry	—	—	—	—	—	—	—	—	—	—	65.0	337	402	6.69	0.16	—	617
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.08	0.40	0.48	0.01	< 0.005	—	0.74
General Office Building	—	—	—	—	—	—	—	—	—	—	0.41	2.12	2.52	0.04	< 0.005	—	3.88
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	0.27	1.39	1.66	0.03	< 0.005	—	2.55
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	1.17	6.08	7.26	0.12	< 0.005	—	11.1

Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	0.57	2.96	3.53	0.06	< 0.005	—	5.43
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	0.17	0.89	1.06	0.02	< 0.005	—	1.63
Total	—	—	—	—	—	—	—	—	—	—	67.7	356	423	6.96	0.17	—	647
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	5.43	5.43	< 0.005	< 0.005	—	5.45
General Light Industry	—	—	—	—	—	—	—	—	—	—	65.0	337	402	6.69	0.16	—	617
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.08	0.40	0.48	0.01	< 0.005	—	0.74
General Office Building	—	—	—	—	—	—	—	—	—	—	0.41	2.12	2.52	0.04	< 0.005	—	3.88
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	0.27	1.39	1.66	0.03	< 0.005	—	2.55
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	1.17	6.08	7.26	0.12	< 0.005	—	11.1
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	0.57	2.96	3.53	0.06	< 0.005	—	5.43
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	0.17	0.89	1.06	0.02	< 0.005	—	1.63

Total	—	—	—	—	—	—	—	—	—	—	67.7	356	423	6.96	0.17	—	647
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.90	0.90	< 0.005	< 0.005	—	0.90
General Light Industry	—	—	—	—	—	—	—	—	—	—	10.8	55.7	66.5	1.11	0.03	—	102
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.01	0.07	0.08	< 0.005	< 0.005	—	0.12
General Office Building	—	—	—	—	—	—	—	—	—	—	0.07	0.35	0.42	0.01	< 0.005	—	0.64
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	0.04	0.23	0.27	< 0.005	< 0.005	—	0.42
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	0.19	1.01	1.20	0.02	< 0.005	—	1.85
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	0.09	0.49	0.59	0.01	< 0.005	—	0.90
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	0.03	0.15	0.18	< 0.005	< 0.005	—	0.27
Total	—	—	—	—	—	—	—	—	—	—	11.2	58.9	70.1	1.15	0.03	—	107

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	98.0	0.00	98.0	9.80	0.00	—	343
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.15	0.00	0.15	0.02	0.00	—	0.53
General Office Building	—	—	—	—	—	—	—	—	—	—	0.60	0.00	0.60	0.06	0.00	—	2.10
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	12.5	0.00	12.5	1.25	0.00	—	43.9
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	6.53	0.00	6.53	0.65	0.00	—	22.8
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	1.96	0.00	1.96	0.20	0.00	—	6.85
Total	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

General Light Industry	—	—	—	—	—	—	—	—	—	—	98.0	0.00	98.0	9.80	0.00	—	343
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.15	0.00	0.15	0.02	0.00	—	0.53
General Office Building	—	—	—	—	—	—	—	—	—	—	0.60	0.00	0.60	0.06	0.00	—	2.10
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	12.5	0.00	12.5	1.25	0.00	—	43.9
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	6.53	0.00	6.53	0.65	0.00	—	22.8
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	1.96	0.00	1.96	0.20	0.00	—	6.85
Total	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	16.2	0.00	16.2	1.62	0.00	—	56.8
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.03	0.00	0.03	< 0.005	0.00	—	0.09

General Office Building	—	—	—	—	—	—	—	—	—	—	0.10	0.00	0.10	0.01	0.00	—	0.35
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	0.51	0.00	0.51	0.05	0.00	—	1.78
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	2.08	0.00	2.08	0.21	0.00	—	7.26
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	1.08	0.00	1.08	0.11	0.00	—	3.78
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	0.32	0.00	0.32	0.03	0.00	—	1.13
Total	—	—	—	—	—	—	—	—	—	—	20.3	0.00	20.3	2.03	0.00	—	71.2

4.5.1. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	98.0	0.00	98.0	9.80	0.00	—	343
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.15	0.00	0.15	0.02	0.00	—	0.53

General Office Building	—	—	—	—	—	—	—	—	—	—	0.60	0.00	0.60	0.06	0.00	—	2.10
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	12.5	0.00	12.5	1.25	0.00	—	43.9
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	6.53	0.00	6.53	0.65	0.00	—	22.8
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	1.96	0.00	1.96	0.20	0.00	—	6.85
Total	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	98.0	0.00	98.0	9.80	0.00	—	343
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.15	0.00	0.15	0.02	0.00	—	0.53
General Office Building	—	—	—	—	—	—	—	—	—	—	0.60	0.00	0.60	0.06	0.00	—	2.10
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	3.07	0.00	3.07	0.31	0.00	—	10.7

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	12.5	0.00	12.5	1.25	0.00	—	43.9
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	6.53	0.00	6.53	0.65	0.00	—	22.8
Gasoline/ Service Station	—	—	—	—	—	—	—	—	—	—	1.96	0.00	1.96	0.20	0.00	—	6.85
Total	—	—	—	—	—	—	—	—	—	—	123	0.00	123	12.3	0.00	—	430
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
General Light Industry	—	—	—	—	—	—	—	—	—	—	16.2	0.00	16.2	1.62	0.00	—	56.8
Single Family Housing	—	—	—	—	—	—	—	—	—	—	0.03	0.00	0.03	< 0.005	0.00	—	0.09
General Office Building	—	—	—	—	—	—	—	—	—	—	0.10	0.00	0.10	0.01	0.00	—	0.35
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	0.51	0.00	0.51	0.05	0.00	—	1.78
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	2.08	0.00	2.08	0.21	0.00	—	7.26
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	1.08	0.00	1.08	0.11	0.00	—	3.78

Gasoline/ Station	—	—	—	—	—	—	—	—	—	—	0.32	0.00	0.32	0.03	0.00	—	1.13
Total	—	—	—	—	—	—	—	—	—	—	20.3	0.00	20.3	2.03	0.00	—	71.2

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	38.2	38.2
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	309	309
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.16	3.16
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	835	835
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,186	1,186

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	38.2	38.2
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	309	309
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.16	3.16
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	835	835
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,186	1,186
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.32	6.32
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

Automobile	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.1	51.1
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	138	138
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	196	196

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	38.2	38.2
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	309	309
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.16	3.16

Convenie Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	835	835
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,186	1,186
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	38.2	38.2
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Automobil e Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	309	309
Fast Food Restauran with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.16	3.16
Convenie nce Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	835	835
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,186	1,186
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.32	6.32
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	51.1	51.1
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	138	138
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	196	196

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	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	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	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	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	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	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	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	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	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	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	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	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	1/30/2023	2/13/2023	5.00	10.0	—
Grading	Grading	2/14/2023	3/14/2023	5.00	20.0	—
Building Construction	Building Construction	3/15/2023	1/31/2024	5.00	230	—
Paving	Paving	2/1/2024	2/29/2024	5.00	20.0	—
Architectural Coating	Architectural Coating	3/1/2024	3/29/2024	5.00	20.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20

Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	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	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38

Architectural Coating	Air Compressors	Diesel	Average	1.00	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	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	65.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	25.7	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	13.1	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	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	65.3	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	25.7	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	13.1	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	2,430	810	234,558	78,186	9,340

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	15.0	0.00	—
Grading	—	—	20.0	0.00	—
Paving	0.00	0.00	0.00	0.00	3.58

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
Parking Lot	3.57	100%
General Light Industry	0.00	0%
General Light Industry	0.00	0%
General Light Industry	0.00	0%
Single Family Housing	0.01	0%
General Office Building	0.00	0%
Automobile Care Center	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
Convenience Market (24 hour)	0.00	0%
Gasoline/Service Station	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
2023	0.00	532	0.03	< 0.005
2024	0.00	532	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
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	24.7	9.91	24.9	8,255	280	112	282	93,649
General Light Industry	24.3	9.75	24.5	8,122	276	111	278	92,145

General Light Industry	23.7	9.53	23.9	7,937	269	108	272	90,039
Single Family Housing	9.44	9.54	8.55	3,404	83.7	84.6	75.8	30,182
General Office Building	11.7	2.65	0.84	3,229	133	30.1	9.53	36,635
Automobile Care Center	21.2	21.2	10.6	7,172	133	240	120	53,570
Fast Food Restaurant with Drive Thru	66.0	86.3	66.2	25,160	233	979	751	151,080
Convenience Market (24 hour)	198	281	234	78,476	801	3,193	2,654	513,857
Gasoline/Service Station	1,473	1,560	1,429	539,876	4,126	17,697	16,212	2,843,830

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
General Light Industry	24.7	9.91	24.9	8,255	280	112	282	93,649
General Light Industry	24.3	9.75	24.5	8,122	276	111	278	92,145
General Light Industry	23.7	9.53	23.9	7,937	269	108	272	90,039
Single Family Housing	9.44	9.54	8.55	3,404	83.7	84.6	75.8	30,182
General Office Building	11.7	2.65	0.84	3,229	133	30.1	9.53	36,635
Automobile Care Center	21.2	21.2	10.6	7,172	133	240	120	53,570

Fast Food Restaurant with Drive Thru	66.0	86.3	66.2	25,160	233	979	751	151,080
Convenience Market (24 hour)	198	281	234	78,476	801	3,193	2,654	513,857
Gasoline/Service Station	1,473	1,560	1,429	539,876	4,126	17,697	16,212	2,843,830

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	1
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0

Gas Fireplaces	1
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
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)
2430	810	234,558	78,186	9,340

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Parking Lot	136,358	532	0.0330	0.0040	0.00
General Light Industry	476,540	532	0.0330	0.0040	2,138,926
General Light Industry	468,884	532	0.0330	0.0040	2,104,566
General Light Industry	458,167	532	0.0330	0.0040	2,056,462
Single Family Housing	9,339	532	0.0330	0.0040	35,564
General Office Building	20,932	532	0.0330	0.0040	33,104
Automobile Care Center	14,258	532	0.0330	0.0040	63,996
Fast Food Restaurant with Drive Thru	70,932	532	0.0330	0.0040	230,399
Convenience Market (24 hour)	129,281	532	0.0330	0.0040	67,643
Gasoline/Service Station	9,110	532	0.0330	0.0040	40,889

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)
Parking Lot	136,358	532	0.0330	0.0040	0.00
General Light Industry	476,540	532	0.0330	0.0040	2,138,926
General Light Industry	468,884	532	0.0330	0.0040	2,104,566
General Light Industry	458,167	532	0.0330	0.0040	2,056,462
Single Family Housing	9,339	532	0.0330	0.0040	35,564
General Office Building	20,932	532	0.0330	0.0040	33,104
Automobile Care Center	14,258	532	0.0330	0.0040	63,996
Fast Food Restaurant with Drive Thru	70,932	532	0.0330	0.0040	230,399
Convenience Market (24 hour)	129,281	532	0.0330	0.0040	67,643
Gasoline/Service Station	9,110	532	0.0330	0.0040	40,889

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Parking Lot	0.00	701,980
General Light Industry	11,516,250	0.00
General Light Industry	11,331,250	0.00
General Light Industry	11,072,250	0.00
Single Family Housing	40,674	0.00
General Office Building	213,280	0.00
Automobile Care Center	140,181	0.00
Fast Food Restaurant with Drive Thru	613,138	0.00
Convenience Market (24 hour)	298,512	0.00
Gasoline/Service Station	89,520	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Parking Lot	0.00	701,980
General Light Industry	11,516,250	0.00
General Light Industry	11,331,250	0.00
General Light Industry	11,072,250	0.00
Single Family Housing	40,674	0.00
General Office Building	213,280	0.00
Automobile Care Center	140,181	0.00
Fast Food Restaurant with Drive Thru	613,138	0.00
Convenience Market (24 hour)	298,512	0.00
Gasoline/Service Station	89,520	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Parking Lot	0.00	0.00
General Light Industry	61.8	0.00
General Light Industry	60.8	0.00
General Light Industry	59.4	0.00
Single Family Housing	0.28	0.00
General Office Building	1.12	0.00
Automobile Care Center	5.69	0.00
Fast Food Restaurant with Drive Thru	23.3	0.00
Convenience Market (24 hour)	12.1	0.00
Gasoline/Service Station	3.63	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Parking Lot	0.00	0.00
General Light Industry	61.8	0.00
General Light Industry	60.8	0.00
General Light Industry	59.4	0.00
Single Family Housing	0.28	0.00
General Office Building	1.12	0.00
Automobile Care Center	5.69	0.00
Fast Food Restaurant with Drive Thru	23.3	0.00
Convenience Market (24 hour)	12.1	0.00
Gasoline/Service Station	3.63	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
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
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
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Automobile Care Center	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
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
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
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Automobile Care Center	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	29.5	annual days of extreme heat
Extreme Precipitation	2.30	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.30	annual hectares burned

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

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

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	1	1	4
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract

Exposure Indicators	—
AQ-Ozone	95.3
AQ-PM	53.4
AQ-DPM	83.3
Drinking Water	19.5
Lead Risk Housing	82.8
Pesticides	70.3
Toxic Releases	30.5
Traffic	76.5
Effect Indicators	—
CleanUp Sites	58.2
Groundwater	71.1
Haz Waste Facilities/Generators	28.3
Impaired Water Bodies	0.00
Solid Waste	93.2
Sensitive Population	—
Asthma	61.7
Cardio-vascular	87.1
Low Birth Weights	56.9
Socioeconomic Factor Indicators	—
Education	92.9
Housing	76.0
Linguistic	76.9
Poverty	93.6
Unemployment	88.1

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	7.04478378
Employed	9.264724753
Median HI	13.37097395
Education	—
Bachelor's or higher	1.963300398
High school enrollment	100
Preschool enrollment	11.35634544
Transportation	—
Auto Access	28.94905685
Active commuting	35.01860644
Social	—
2-parent households	17.60554344
Voting	1.270370846
Neighborhood	—
Alcohol availability	44.00102656
Park access	20.42858976
Retail density	58.38573078
Supermarket access	53.04760683
Tree canopy	3.156679071
Housing	—
Homeownership	32.22122418
Housing habitability	17.10509432
Low-inc homeowner severe housing cost burden	13.85859104
Low-inc renter severe housing cost burden	31.8747594
Uncrowded housing	10.22712691

Health Outcomes	—
Insured adults	6.557166688
Arthritis	48.2
Asthma ER Admissions	41.6
High Blood Pressure	36.7
Cancer (excluding skin)	87.6
Asthma	6.7
Coronary Heart Disease	47.4
Chronic Obstructive Pulmonary Disease	19.2
Diagnosed Diabetes	21.5
Life Expectancy at Birth	14.2
Cognitively Disabled	10.7
Physically Disabled	49.3
Heart Attack ER Admissions	10.4
Mental Health Not Good	6.5
Chronic Kidney Disease	27.1
Obesity	3.4
Pedestrian Injuries	76.6
Physical Health Not Good	9.8
Stroke	26.0
Health Risk Behaviors	—
Binge Drinking	68.3
Current Smoker	6.3
No Leisure Time for Physical Activity	6.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	35.2
Elderly	93.7
English Speaking	32.7
Foreign-born	61.0
Outdoor Workers	5.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	78.2
Traffic Density	60.6
Traffic Access	23.0
Other Indices	—
Hardship	96.1
Other Decision Support	—
2016 Voting	5.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	94.0
Healthy Places Index Score for Project Location (b)	3.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Residence in Building A
Construction: Construction Phases	Vacant lot, no demolition
Operations: Vehicle Data	Low traffic generation expected for operation of the storage facility. Carwash, convenience market (24 hour), gasoline/service station, and fast-food restaurant with drive through trips rates estimated using Common Trip Generation Rates published by the Institute of Transportation Engineers (ITE)