To:	City of Hemet
From:	Tiffany Dang, Tina Yuan, Alex Garber, EPD Solutions, Inc.
Date:	6/26/2025
Re:	Air Quality and Greenhouse Gas Tables for the comparative analysis of the revised Newland Simpson Road Project, EPD Project Number 22-030

Project Overview

This technical memorandum presents the reduction of the air quality and greenhouse gas (GHG) impacts from the revised Newland Simpson Road Project ("Revised Project") compared to the previously proposed Newland Simpson Road Project (referred to in this memo as the "Previous Project"), located in the City of Hemet at the intersection of Warren Road and Simpson Road. The revised site plan is shown in Figure 1, *Revised Project Site Plan*, included at the end of this memo.

The Previous Project site encompassed 74.88 gross acres, inclusive of areas for off-site improvements. The Environmental Impact Report (EIR) for the Previous Project analyzed impacts related to the development of two speculative industrial buildings and an ancillary truck parking lot to support warehouse, distribution, and office uses. Building 1 was analyzed as 883,080 square feet (SF) and Building 2 as 309,338 SF. In total, the two buildings were proposed to be 1,192,418 SF. The EIR determined that the Previous Project would result in less than significant impacts related to air quality with mitigation implemented, and significant unavoidable impacts to GHG. The air quality and GHG reports prepared for the Previous Project can be found as Appendix C and J to the EIR (State Clearinghouse Number 2023120462).

The Revised Project proposes a reduction in site plan acreage and building square footage. The Revised Project site would encompass approximately 44.23 acres with 4.52 acres of offsite improvements. Only one warehouse building is proposed, totaling 884,760 SF, as part of the Revised Project. The offsite improvements would be the same as the Previous Project. The Revised Project's criteria pollutants and GHG emissions are analyzed using the California Emissions Estimator Model (CalEEMod. Version 2022.1) land use emission model. For consistency with the Previous Project analysis, the same construction schedule, passenger car fleet mix, truck fleet mix, and operational equipment were assumed for the Revised Project. Construction equipment and construction trips were reduced proportionally, based on the ratios of the Revised Project to Previous Project acreage and building square footage. The trip generation rate was obtained from the Revised Project Trip Generation Memo[1]. Detailed justification for changes to the CalEEMod default values can be found in Section 8, *User Changes to Default Data,* of the CalEEMod Output Sheets, included as Attachment A to this memo. Air quality and GHG emissions reduction compared to the Previous Project have been summarized in the tables below.

In conclusion, the Revised Project would emit less criteria pollutants and GHG emissions compared to those resulting from the Previous Project as previously analyzed in the EIR. Moreover, the Revised Project would continue to not exceed any construction or operational air quality significance thresholds set by the South Coast Air Quality Management District (SCAQMD) with mitigation implemented. However, the Revised Project's impact related to GHG emissions would remain significant and unavoidable.

[1] EPD Solutions, Inc. (2025). *Summary of Change in Trip Generation Under Revised Simpson Road Warehouse Project.*

Air Quality

Unmitigated Regional Construction Emissions

Without the implementation of the mitigation measures identified in the EIR for the Previous Project, both the Previous Project and the Revised Project would exceed SCAQMD's regional construction thresholds for ROG and NOx. However, the Revised Project would result in a decrease in emissions as compared to the Previous Project. Table 1, *Revised Project - Unmitigated Regional Construction Emissions*, shows emissions resulting from the construction of the Revised Project as compared to the Previous Project.

Table 1. Revised Project - Unmitigated Regional Construction Emissions

Construction Year	Maximum Daily Regional Emissions (pounds/day)					
	ROG	**NOx**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Revised Project Year 1	10.27	108.75	89.56	0.28	18.69	9.33
Revised Project Year 2	133.71	29.82	48.53	0.06	6.27	1.96
Revised Project Maximum (Year 1 – 2)	**133.71**	**108.75**	**89.56**	**0.28**	**18.69**	**9.33**
SCAQMD Significance Thresholds	*75*	100	*550*	150	150	*55*
Threshold Exceeded?	**Yes**	**Yes**	**No**	**No**	**No**	**No**
Previous Project Maximum	*181.27*	*153.99*	*132.45*	*0.36*	*25.76*	*13.23*
Difference	-47.56	-45.24	-42.89	-0.08	-7.07	-3.90
Percent Decrease	**-26%**	**-29%**	**-32%**	**-23%**	**-27%**	**-30%**

Notes: ROG = reactive organic gases, NOx = nitrogen oxides, CO = carbon monoxide, SO_X = sulfur oxides, PM_{10} = particulate matter 10 microns in diameter, $PM_{2.5}$ = particulate matter 2.5 microns in diameter
Source: CalEEMod Output Sheets (see Attachment A).

Mitigated Regional Construction Emissions

Due to an exceedance in ROG and NOx emissions, the Revised Project would continue to implement Mitigation Measure AQ-1 and Mitigation Measure AQ-2. The same mitigation measures applied in the Previous Project were used in this analysis, which include:

- AQ MM-1: Use of "Super-Compliant" low VOC paints for nonresidential interior and exterior surfaces and low VOC paint for parking lot surfaces. Super-Compliant low VOC paints shall be no more than 10 grams per liter of VOC.
- AQ MM-2: Use of advanced engine tiers (Tier 4 Interim) for all diesel-powered construction equipment 50-horsepower or greater.

Table 2, *Revised Project - Mitigated Regional Construction Emissions,* shows construction emissions with mitigation applied. The Revised Project would result in a percent decrease in emissions as compared to the Previous Project and would result in a less than significant regional construction impact to air quality, with mitigation implemented.

Table 2. Revised Project - Mitigated Regional Construction Emissions

Construction Activity	Maximum Daily Regional Emissions (pounds/day)					
	ROG	**NOx**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Revised Project Year 1	2.61	70.41	102.07	0.28	14.96	5.92
Revised Project Year 2	33.87	20.93	52.71	0.06	5.80	1.53
Revised Project Maximum (Year 1 – 2)	**33.87**	**70.41**	**102.07**	**0.28**	**14.96**	**5.92**
SCAQMD Significance Thresholds	*75*	100	*550*	150	150	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**
Previous Project Maximum	*46.72*	*96.47*	*151.22*	*0.36*	*20.16*	*8.12*
Difference	-12.85	-26.06	-49.15	-0.08	-5.20	-2.20
Percent Decrease	**-28%**	**-27%**	**-33%**	**-23%**	**-26%**	**-27%**

Notes: ROG = reactive organic gases, NOx = nitrogen oxides, CO = carbon monoxide, SO_X = sulfur oxides, PM_{10} = particulate matter 10 microns in diameter, $PM_{2.5}$ = particulate matter 2.5 microns in diameter
Source: CalEEMod Output Sheets (see Attachment A).

Regional Operational Emissions

The Revised Project operational emissions would not exceed SCAQMD's regional operational thresholds, consistent with the findings of the Previous Project. In addition, the Revised Project would result in a decrease in operational emissions compared to the Previous Project. Therefore, the Revised Project would continue to result in less than significant regional operational impacts to air quality. Table 3, *Revised Project - Regional Operational Emissions*, shows the emissions resulting from operation of the Revised Project as compared to the Previous Project.

Table 3. Revised Project - Regional Operational Emissions

Operational Activity	Maximum Daily Regional Emissions (pounds/day)					
	ROG	**NOx**	**CO**	**SO_X**	**PM_{10}**	**$PM_{2.5}$**
Revised Project	**35.18**	**35.42**	**160.32**	**0.49**	**30.98**	**8.40**
SCAQMD Significance Thresholds	*55*	*55*	*550*	150	150	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**
Previous Project	*47.76*	*48.27*	*211.34*	*0.65*	*41.78*	*11.36*
Difference	-12.58	-12.85	-51.02	-0.16	-10.80	-2.96
Percent Decrease	**-26%**	**-27%**	**-24%**	**-25%**	**-26%**	**-26%**

Notes: ROG = reactive organic gases, NOx = nitrogen oxides, CO = carbon monoxide, SO_X = sulfur oxides, PM_{10} = particulate matter 10 microns in diameter, $PM_{2.5}$ = particulate matter 2.5 microns in diameter
Source: CalEEMod Output Sheets (see Attachment A)

Localized Construction Emissions

Table 4, *Revised Project - Localized Construction Emissions*, shows the thresholds and estimated maximum daily localized construction emissions for the Revised Project as compared to the Previous Project. Since equipment quantity inputs for off-site construction improvements were kept consistent between the Revised Project and the Previous Project, only changes in emissions for the onsite construction phases are shown below. As shown in Table 4, the Revised Project would not exceed applicable thresholds and therefore would result in a less than significant localized construction air quality impact, consistent with the Previous Project. Additionally, the Revised Project's would result in a decrease in emissions for the site preparation and grading phases.

Table 4: Revised Project – Site Prep Localized Construction Emissions

Scenario	Maximum Daily Emissions (pounds/day)			
	NOx	CO	PM10	PM2.5
Site Preparation	**34.91**	**29.96**	**7.27**	**4.28**
SCAQMD Localized Threshold	504	4,731	127	52
Threshold Exceeded?	**No**	**No**	**No**	**No**
Previous Project Maximum Emissions	*46.54*	*39.94*	*9.70*	*5.70*
Difference	-11.63	-9.98	-2.43	-1.42
Percent Decrease	**-25%**	**-25%**	**-25%**	**-25%**
Grading	**89.45**	**81.22**	**13.22**	**7.58**
SCAQMD Localized Threshold	556	5,282	127	52
Threshold Exceeded?	**No**	**No**	**No**	**No**
Previous Project Maximum Emissions	*134.18*	*121.83*	*19.82*	*11.37*
Difference	-44.73	-40.61	-6.60	-3.79
Percent Decrease	**-33%**	**-33%**	**-33%**	**-33%**

Localized Operational Emissions

Table 5, *Revised Project - Localized Operational Emissions,* shows the thresholds and estimated maximum daily localized operational emissions for the Revised Project as compared to the Proposed Project. Consistent with the Previous Project, localized operational emissions from the Revised Project would not exceed SCAQMD's localized operational thresholds. Additionally the Revised Project would result in a percent decrease in emissions. Therefore, the Revised Project would result in less than significant localized operational air quality impacts.

Table 5: Revised Project - Localized Operational Emissions

Emission Sources	Maximum Daily Emissions (lbs/day)			
	NOx	**CO**	**PM10**	**PM2.5**
Revised Project Total	**8.49**	**65.78**	**4.95**	**1.36**
SCAQMD Localized Threshold	556	5,282	31	13
Threshold Exceeded?	**No**	**No**	**No**	**No**
Previous Project	*12.37*	*106.04*	*6.74*	*1.91*
Difference	-3.88	-40.26	-1.79	-0.55
Percent Decrease	**-31%**	**-38%**	**-27%**	**-29%**

Notes: NOx = nitrogen oxides, CO = carbon monoxide, PM_{10} = particulate matter 10 microns in diameter, $PM_{2.5}$ = particulate matter 2.5 microns in diameter
Thresholds used by the Previous Project analysis were applied
Source: CalEEMod Output Sheets (see Attachment A)

Greenhouse Gas Emissions

Construction GHG

The Revised Project's construction GHG emissions are shown in Table 6, *Revised Project - Project Construction GHG Emissions*. The construction emissions are amortized over 30 years. Compared to the Previous Project, the Revised Project would result in a decrease in amortized construction emissions by 25 percent.

Table 6: Revised Project - Project Construction GHG Emissions

Activity	GHG Emissions ($MTCO_2e$)
Revised Project - 2025 (Year 1)	1,563.60
Revised Project - 2026 (Year 2)	541.01
Total Revised Project GHG Emissions	2,104.61
Revised Project Total Emissions (Amortized Over 30 Years)	**70.15**
Previous Project Amortized Emissions	*93.30*[1]
Difference	-23.15
Percent Decrease	**-25%**

Source: CalEEMod Output Sheets (see Attachment A)

[1]Previous Project amortized emissions were calculated by taking the sum of annual construction emissions of building construction and off-site construction, as provided in Appendix 3.1 of the Previous Project's GHG Report.

Construction and Operational GHG

The overall construction and operational emissions for the Revised Project, as compared to the Previous Project, are shown in Table 7, *Total Revised Project GHG Emissions*. As shown in Table 7, the Revised Project's construction and operational GHG emissions would total 7,707.41 $MTCO_2e$ per year, which would exceed the SCAQMD significance threshold of 3,000 $MTCO_2e$ per year. However, compared to the Previous Project, the Revised Project would result in a reduction in emissions of 2,693.12 MTCO2e per year. This equates to a 26 percent decrease in annual GHG emissions as compared to the Previous Project.

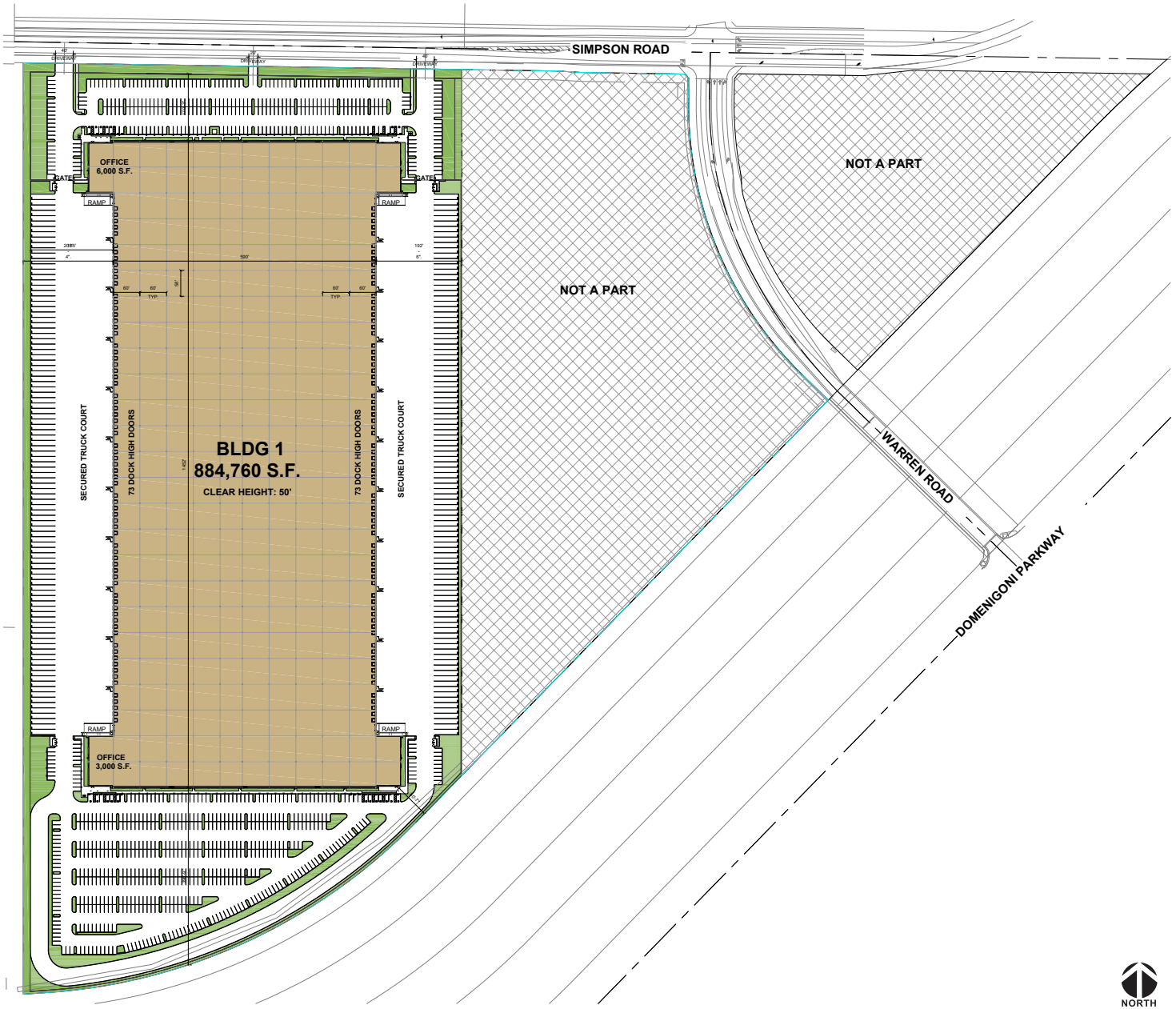
Consistent with the Previous Project, GHG impacts resulting from the Revised Project would remain significant and unavoidable. The Revised Project would also be required to apply the same mitigation measures as the Previous Project (MM GHG-1 through GHG-10), which are listed in the Previous Project's EIR. However, GHG reductions from these measures are not quantifiable in CalEEMod. Therefore, this memo conservatively presents unmitigated GHG emissions, consistent with the GHG Report prepared for the Previous Project.

Table 7: Total Revised Project GHG Emissions

Activity	GHG Emissions ($MTCO_2e$ per year)[1]
Revised Project Operational Emissions	7,637.25
Revised Project Amortized Construction Emissions	70.15
Revised Project Total Emissions	**7,707.41**
Significance Threshold	3,000
Threshold Exceeded?	**Yes**
Previous Project Total Emissions[1]	*10,400.53*[1]
Difference	-2,693.12
Percent Decrease	**-26%**

Notes: 1. Numbers may vary due to rounding.
Source: CalEEMod Output Sheets (see Attachment A)
[1]Previous Project amortized emissions were calculated by taking the sum of annual construction emissions of building construction and off-site construction, as provided in Appendix 3.1 of the Previous Project's GHG Report.

Figure 1: Revised Project Site Plan



ATTACHMENT A: CALEEMOD OUTPUT SHEETS

22-030 Simpson Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	22-030 Simpson
Construction Start Date	5/4/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	8.60
Location	33.705441487178845, -117.0396340476545
County	Riverside-South Coast
City	Hemet
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5518
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	885	1000sqft	24.2	884,760	170,945	—	—	—

User Defined Industrial	885	User Defined Unit	0.00	0.00	0.00	—	—	Trucks
Parking Lot	936	Space	8.42	0.00	0.00	—	—	—
Other Asphalt Surfaces	11.6	Acre	11.6	0.00	0.00	—	—	—
Other Asphalt Surfaces	4.52	Acre	4.52	0.00	0.00	—	—	Offsite improvements

1.3. User-Selected Emission Reduction Measures by Emissions Sector

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

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—
Mit.	33.9	70.4	116	0.28	15.0	5.92	36,127
% Reduced	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—
Mit.	2.95	28.6	58.2	0.08	6.35	1.82	13,592
% Reduced	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—
Mit.	3.85	19.6	33.9	0.06	4.20	1.47	9,444

% Reduced	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—
Mit.	0.70	3.57	6.19	0.01	0.77	0.27	1,564
% Reduced	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—
Unmit.	—	—	—	—	—	—	—
Mit.	No	No	No	No	No	No	—
Exceeds (Average Daily)	—	—	—	—	—	—	—
Threshold	75.0	100	550	150	150	55.0	—
Unmit.	—	—	—	—	—	—	—
Mit.	No	No	No	No	No	No	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—
Daily - Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

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	PM10T	PM2.5T	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—
2025	4.25	70.4	116	0.28	15.0	5.92	36,127

2026	33.9	40.2	89.4	0.11	6.48	1.85	18,391
Daily - Winter (Max)	—	—	—	—	—	—	—
2025	2.95	28.6	58.2	0.08	6.35	1.82	13,592
2026	2.85	28.2	56.6	0.08	6.35	1.82	13,435
Average Daily	—	—	—	—	—	—	—
2025	1.28	19.6	33.9	0.06	4.20	1.47	9,444
2026	3.85	7.00	14.0	0.02	1.49	0.43	3,268
Annual	—	—	—	—	—	—	—
2025	0.23	3.57	6.19	0.01	0.77	0.27	1,564
2026	0.70	1.28	2.55	< 0.005	0.27	0.08	541

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—
Unmit.	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—
Unmit.	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—

Unmit.	—	—	—	—	—	—	—
Exceeds (Annual)	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	3,000
Unmit.	—	—	—	—	—	—	—

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	7.38	32.9	105	0.48	30.9	8.31	52,119
Area	27.7	0.32	38.5	< 0.005	0.07	0.05	159
Energy	0.00	0.00	0.00	0.00	0.00	0.00	4,191
Water	—	—	—	—	—	—	3,024
Waste	—	—	—	—	—	—	1,568
Stationary	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Total	35.1	33.3	144	0.49	30.9	8.37	61,069

Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	7.08	34.6	86.6	0.47	30.9	8.31	50,295
Area	21.3	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	4,191
Water	—	—	—	—	—	—	3,024
Waste	—	—	—	—	—	—	1,568
Stationary	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Total	28.4	34.7	86.7	0.47	30.9	8.32	59,086
Average Daily	—	—	—	—	—	—	—
Mobile	5.16	25.6	65.7	0.34	22.4	6.04	36,950
Area	25.7	0.22	26.4	< 0.005	0.05	0.04	109
Energy	0.00	0.00	0.00	0.00	0.00	0.00	4,191
Water	—	—	—	—	—	—	3,024
Waste	—	—	—	—	—	—	1,568
Stationary	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.92
Total	30.8	25.8	92.1	0.34	22.5	6.08	45,843
Annual	—	—	—	—	—	—	—
Mobile	0.94	4.67	12.0	0.06	4.10	1.10	6,117
Area	4.69	0.04	4.81	< 0.005	0.01	0.01	18.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	694
Water	—	—	—	—	—	—	501
Waste	—	—	—	—	—	—	260
Stationary	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.15
Total	5.63	4.72	16.8	0.06	4.10	1.11	7,590

3. Construction Emissions Details

3.1. Site Preparation (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

3.2. Site Preparation (2025) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.62	14.3	27.5	0.05	0.10	0.10	5,197
Dust From Material Movement	—	—	—	—	5.52	2.67	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.59	1.13	< 0.005	< 0.005	< 0.005	214
Dust From Material Movement	—	—	—	—	0.23	0.11	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.11	0.21	< 0.005	< 0.005	< 0.005	35.4
Dust From Material Movement	—	—	—	—	0.04	0.02	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.06	0.06	1.00	0.00	0.17	0.04	186
Vendor	< 0.005	0.24	0.07	< 0.005	0.06	0.02	225
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.01	< 0.005	7.11
Vendor	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	9.22
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	1.18
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	1.53
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—

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

3.4. Grading (2025) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	2.12	51.1	93.7	0.16	0.44	0.43	17,383
Dust From Material Movement	—	—	—	—	9.05	3.74	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.29	7.00	12.8	0.02	0.06	0.06	2,381
Dust From Material Movement	—	—	—	—	1.24	0.51	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.28	2.34	< 0.005	0.01	0.01	394
Dust From Material Movement	—	—	—	—	0.23	0.09	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.21	0.21	3.63	0.00	0.61	0.14	672
Vendor	0.01	0.67	0.21	< 0.005	0.18	0.06	642

Hauling	0.27	18.4	4.50	0.11	4.68	1.54	17,430
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	0.03	0.03	0.40	0.00	0.08	0.02	85.7
Vendor	< 0.005	0.10	0.03	< 0.005	0.02	0.01	87.8
Hauling	0.04	2.67	0.62	0.02	0.64	0.21	2,385
Annual	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.02	< 0.005	14.2
Vendor	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	14.5
Hauling	0.01	0.49	0.11	< 0.005	0.12	0.04	395

3.5. Offsite Grading (2025) - 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	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

3.6. Offsite Grading (2025) - 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	PM10T	PM2.5T	CO2e

Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.56	36.4	55.5	0.09	0.51	0.48	9,149
Dust From Material Movement	—	—	—	—	0.83	0.09	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.60	0.91	< 0.005	0.01	0.01	150
Dust From Material Movement	—	—	—	—	0.01	< 0.005	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.11	0.17	< 0.005	< 0.005	< 0.005	24.9
Dust From Material Movement	—	—	—	—	< 0.005	< 0.005	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.32	0.32	5.60	0.00	0.95	0.22	1,037
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.02	< 0.005	15.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	2.63

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

3.8. Building Construction (2025) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.65	15.1	25.1	0.04	0.15	0.15	4,216
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.65	15.1	25.1	0.04	0.15	0.15	4,216
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—

Off-Road Equipment	0.19	4.48	7.48	0.01	0.05	0.04	1,254
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.82	1.36	< 0.005	0.01	0.01	208
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	1.66	1.63	28.7	0.00	4.86	1.14	5,323
Vendor	0.06	2.92	0.91	0.02	0.78	0.24	2,791
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	1.57	1.80	21.7	0.00	4.86	1.14	4,881
Vendor	0.05	3.06	0.93	0.02	0.78	0.24	2,786
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.46	0.58	6.83	0.00	1.44	0.34	1,472
Vendor	0.02	0.91	0.27	0.01	0.23	0.07	829
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	0.08	0.11	1.25	0.00	0.26	0.06	244
Vendor	< 0.005	0.17	0.05	< 0.005	0.04	0.01	137
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

3.10. Building Construction (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.65	15.1	25.1	0.04	0.15	0.15	4,215
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.65	15.1	25.1	0.04	0.15	0.15	4,215
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.14	3.24	5.41	0.01	0.03	0.03	907
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.59	0.99	< 0.005	0.01	0.01	150
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	1.57	1.46	26.7	0.00	4.86	1.14	5,206

Vendor	0.06	2.80	0.87	0.02	0.78	0.24	2,748
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	1.48	1.63	20.3	0.00	4.86	1.14	4,775
Vendor	0.05	2.92	0.89	0.02	0.78	0.24	2,743
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.32	0.38	4.56	0.00	1.04	0.24	1,042
Vendor	0.01	0.63	0.19	< 0.005	0.17	0.05	591
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	0.06	0.07	0.83	0.00	0.19	0.04	173
Vendor	< 0.005	0.12	0.03	< 0.005	0.03	0.01	97.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

3.12. Paving (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.76	20.8	34.2	0.05	0.22	0.21	5,733
Paving	5.35	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.68	1.12	< 0.005	0.01	0.01	188
Paving	0.18	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.12	0.20	< 0.005	< 0.005	< 0.005	31.2
Paving	0.03	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.15	0.14	2.51	0.00	0.46	0.11	490
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.01	< 0.005	15.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.01	0.00	< 0.005	< 0.005	2.48
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

3.14. Architectural Coating (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.08	4.28	3.85	0.01	0.12	0.11	536
Architectural Coatings	33.4	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.39	0.35	< 0.005	0.01	0.01	48.4
Architectural Coatings	3.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.07	0.06	< 0.005	< 0.005	< 0.005	8.02
Architectural Coatings	0.55	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.32	0.29	5.39	0.00	0.98	0.23	1,050
Vendor	0.02	0.90	0.28	0.01	0.25	0.08	884
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Worker	0.03	0.03	0.39	0.00	0.09	0.02	88.3
Vendor	< 0.005	0.09	0.03	< 0.005	0.02	0.01	79.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	0.01	0.07	0.00	0.02	< 0.005	14.6
Vendor	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	13.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Grubbing/Clearing (2025) - 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	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

3.16. Grubbing/Clearing (2025) - 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	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	1.06	24.5	41.6	0.07	0.30	0.28	7,647
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.27	0.46	< 0.005	< 0.005	< 0.005	83.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.05	0.08	< 0.005	< 0.005	< 0.005	13.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.17	0.16	2.90	0.00	0.49	0.11	537
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.01	< 0.005	5.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.91
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Drainage/Utilities (2025) - 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	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

3.18. Drainage/Utilities (2025) - 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	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—

Off-Road Equipment	0.57	8.54	8.96	0.02	0.23	0.21	1,381
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.57	8.54	8.96	0.02	0.23	0.21	1,381
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.15	2.31	2.42	< 0.005	0.06	0.06	373
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.42	0.44	< 0.005	0.01	0.01	61.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.11	0.11	1.93	0.00	0.33	0.08	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.11	0.12	1.46	0.00	0.33	0.08	328
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Worker	0.03	0.04	0.42	0.00	0.09	0.02	89.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	0.01	0.01	0.08	0.00	0.02	< 0.005	14.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Drainage/Utilities (2026) - 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	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—

3.20. Drainage/Utilities (2026) - 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	PM10T	PM2.5T	CO2e
Onsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.57	8.53	8.95	0.02	0.23	0.21	1,381
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Off-Road Equipment	0.57	8.53	8.95	0.02	0.23	0.21	1,381
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—
Off-Road Equipment	0.10	1.54	1.61	< 0.005	0.04	0.04	249
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.28	0.29	< 0.005	0.01	0.01	41.2
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—
Worker	0.11	0.10	1.80	0.00	0.33	0.08	350
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Worker	0.10	0.11	1.36	0.00	0.33	0.08	321
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	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	0.06	0.01	58.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.01	< 0.005	9.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	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	PM10T	PM2.5T	CO2e

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

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	6.73	4.54	97.4	0.22	21.6	5.50	22,292
User Defined Industrial	0.65	28.4	7.88	0.27	9.30	2.81	29,827
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	7.38	32.9	105	0.48	30.9	8.31	52,119
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	6.45	5.04	78.7	0.20	21.6	5.50	20,537
User Defined Industrial	0.63	29.6	7.93	0.27	9.30	2.81	29,758
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	7.08	34.6	86.6	0.47	30.9	8.31	50,295
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.86	0.69	10.9	0.03	2.86	0.73	2,521

User Defined Industrial	0.08	3.98	1.05	0.04	1.23	0.37	3,597
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.94	4.67	12.0	0.06	4.10	1.10	6,117

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	3,885
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	307
Other Asphalt Surfaces	—	—	—	—	—	—	0.00

Total	—	—	—	—	—	—	4,191
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	3,885
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	307
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	4,191
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	643
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	50.8
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	694

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Consumer Products	19.0	—	—	—	—	—	—
Architectural Coatings	2.33	—	—	—	—	—	—
Landscape Equipment	6.32	0.32	38.5	< 0.005	0.07	0.05	159
Total	27.7	0.32	38.5	< 0.005	0.07	0.05	159
Daily, Winter (Max)	—	—	—	—	—	—	—
Consumer Products	19.0	—	—	—	—	—	—
Architectural Coatings	2.33	—	—	—	—	—	—
Total	21.3	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Consumer Products	3.47	—	—	—	—	—	—
Architectural Coatings	0.43	—	—	—	—	—	—
Landscape Equipment	0.79	0.04	4.81	< 0.005	0.01	0.01	18.0

Total	4.69	0.04	4.81	< 0.005	0.01	0.01	18.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	3,024
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	3,024
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	3,024

User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	3,024
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	501
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	501

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	1,568
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	1,568
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	1,568
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	1,568
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	260
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	260

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—
Fire Pump	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Total	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Daily, Winter (Max)	—	—	—	—	—	—	—
Fire Pump	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Total	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Annual	—	—	—	—	—	—	—
Fire Pump	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.15
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.15

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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	5/4/2025	5/25/2025	5.00	15.0	—
Grading	Grading	5/26/2025	8/1/2025	5.00	50.0	Building construction grading
Offsite Grading	Grading	8/8/2025	8/15/2025	5.00	6.00	Offsite grading
Building Construction	Building Construction	8/2/2025	4/20/2026	5.00	186	—
Paving	Paving	4/3/2026	4/20/2026	5.00	12.0	—

Architectural Coating	Architectural Coating	4/21/2026	6/4/2026	5.00	33.0	—
Grubbing/Clearing	Trenching	8/2/2025	8/7/2025	5.00	4.00	—
Drainage/Utilities	Trenching	8/16/2025	4/2/2026	5.00	164	—

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	0.00	8.00	84.0	0.37
Site Preparation	Crawler Tractors	Diesel	Average	3.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Average	4.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	4.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	4.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Grading	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Offsite Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Offsite Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Offsite Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Offsite Grading	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Offsite Grading	Rollers	Diesel	Average	6.00	8.00	36.0	0.38
Offsite Grading	Rubber Tired Loaders	Diesel	Average	3.00	8.00	150	0.36
Offsite Grading	Signal Boards	Diesel	Average	8.00	8.00	6.00	0.82
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
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	Tractors/Loaders/Backhoes	Diesel	Average	5.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
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	4.00	8.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Paving	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Architectural Coating	Air Compressors	Diesel	Average	3.00	8.00	37.0	0.48
Grubbing/Clearing	Rubber Tired Dozers	Diesel	Average	4.00	8.00	367	0.40
Grubbing/Clearing	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grubbing/Clearing	Excavators	Diesel	Average	4.00	8.00	36.0	0.38
Grubbing/Clearing	Signal Boards	Diesel	Average	3.00	8.00	6.00	0.82
Drainage/Utilities	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Drainage/Utilities	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Drainage/Utilities	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Drainage/Utilities	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Drainage/Utilities	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	3.00	8.00	87.0	0.43
Grading	Excavators	Diesel	Tier 4 Interim	4.00	8.00	36.0	0.38

Grading	Graders	Diesel	Tier 4 Interim	4.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	4.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Interim	4.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	0.00	8.00	84.0	0.37
Grading	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43
Offsite Grading	Excavators	Diesel	Tier 4 Interim	2.00	8.00	36.0	0.38
Offsite Grading	Graders	Diesel	Tier 4 Interim	2.00	8.00	148	0.41
Offsite Grading	Scrapers	Diesel	Tier 4 Interim	2.00	8.00	423	0.48
Offsite Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	4.00	8.00	84.0	0.37
Offsite Grading	Rollers	Diesel	Tier 4 Interim	6.00	8.00	36.0	0.38
Offsite Grading	Rubber Tired Loaders	Diesel	Tier 4 Interim	3.00	8.00	150	0.36
Offsite Grading	Signal Boards	Diesel	Average	8.00	8.00	6.00	0.82
Building Construction	Cranes	Diesel	Tier 4 Interim	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	5.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Interim	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Interim	4.00	8.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	4.00	8.00	84.0	0.37
Paving	Rubber Tired Dozers	Diesel	Tier 4 Interim	2.00	8.00	367	0.40
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	3.00	8.00	37.0	0.48
Grubbing/Clearing	Rubber Tired Dozers	Diesel	Tier 4 Interim	4.00	8.00	367	0.40
Grubbing/Clearing	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43
Grubbing/Clearing	Excavators	Diesel	Tier 4 Interim	4.00	8.00	36.0	0.38

Grubbing/Clearing	Signal Boards	Diesel	Average	3.00	8.00	6.00	0.82
Drainage/Utilities	Air Compressors	Diesel	Tier 4 Interim	2.00	8.00	37.0	0.48
Drainage/Utilities	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Drainage/Utilities	Plate Compactors	Diesel	Average	2.00	8.00	8.00	0.43
Drainage/Utilities	Pumps	Diesel	Average	2.00	8.00	11.0	0.74
Drainage/Utilities	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	2.00	8.00	84.0	0.37

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	13.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	—	HHDT
Grading	—	—	—	—
Grading	Worker	47.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	20.0	10.2	HHDT,MHDT
Grading	Hauling	241	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Offsite Grading	—	—	—	—
Offsite Grading	Worker	72.5	18.5	LDA,LDT1,LDT2
Offsite Grading	Vendor	—	10.2	HHDT,MHDT
Offsite Grading	Hauling	0.00	20.0	HHDT
Offsite Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	372	18.5	LDA,LDT1,LDT2

Building Construction	Vendor	87.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	35.0	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	75.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	28.0	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Grubbing/Clearing	—	—	—	—
Grubbing/Clearing	Worker	37.5	18.5	LDA,LDT1,LDT2
Grubbing/Clearing	Vendor	—	10.2	HHDT,MHDT
Grubbing/Clearing	Hauling	0.00	20.0	HHDT
Grubbing/Clearing	Onsite truck	—	—	HHDT
Drainage/Utilities	—	—	—	—
Drainage/Utilities	Worker	25.0	18.5	LDA,LDT1,LDT2
Drainage/Utilities	Vendor	—	10.2	HHDT,MHDT
Drainage/Utilities	Hauling	0.00	20.0	HHDT
Drainage/Utilities	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	13.0	18.5	LDA,LDT1,LDT2

Site Preparation	Vendor	7.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	—	HHDT
Grading	—	—	—	—
Grading	Worker	47.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	20.0	10.2	HHDT,MHDT
Grading	Hauling	241	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Offsite Grading	—	—	—	—
Offsite Grading	Worker	72.5	18.5	LDA,LDT1,LDT2
Offsite Grading	Vendor	—	10.2	HHDT,MHDT
Offsite Grading	Hauling	0.00	20.0	HHDT
Offsite Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	372	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	87.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	35.0	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	75.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	28.0	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

Grubbing/Clearing	—	—	—	—
Grubbing/Clearing	Worker	37.5	18.5	LDA,LDT1,LDT2
Grubbing/Clearing	Vendor	—	10.2	HHDT,MHDT
Grubbing/Clearing	Hauling	0.00	20.0	HHDT
Grubbing/Clearing	Onsite truck	—	—	HHDT
Drainage/Utilities	—	—	—	—
Drainage/Utilities	Worker	25.0	18.5	LDA,LDT1,LDT2
Drainage/Utilities	Vendor	—	10.2	HHDT,MHDT
Drainage/Utilities	Hauling	0.00	20.0	HHDT
Drainage/Utilities	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	1,327,140	442,380	61,116

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	—	—	45.0	0.00	—
Grading	96,300	—	750	0.00	—
Offsite Grading	—	—	18.0	0.00	—
Paving	0.00	0.00	0.00	0.00	24.5

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
User Defined Industrial	0.00	0%
Parking Lot	8.42	100%
Other Asphalt Surfaces	11.6	100%
Other Asphalt Surfaces	4.52	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	349	0.03	< 0.005
2026	0.00	346	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
Unrefrigerated Warehouse-No Rail	1,549	133	53.1	413,591	30,837	2,642	1,057	8,232,368
User Defined Industrial	335	26.5	8.85	89,269	10,154	804	268	2,703,113
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	1,549	133	53.1	413,591	30,837	2,642	1,057	8,232,368
User Defined Industrial	335	26.5	8.85	89,269	10,154	804	268	2,703,113
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,327,140	442,380	64,070

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	4,071,976	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
Parking Lot	321,448	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	4,071,976	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
Parking Lot	321,448	346	0.0330	0.0040	0.00

Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	204,600,750	2,710,455
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	204,600,750	2,710,455
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	832	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—

Other Asphalt Surfaces	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	832	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Other Asphalt Surfaces	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

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Fire Pump	Diesel	1.00	1.00	50.0	8.00	0.73

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	26.9	annual days of extreme heat
Extreme Precipitation	2.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	16.8	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	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	3	1	1	3
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	91.1
AQ-PM	45.7
AQ-DPM	14.4
Drinking Water	10.2
Lead Risk Housing	51.8
Pesticides	77.9
Toxic Releases	22.0
Traffic	32.2
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	14.3
Haz Waste Facilities/Generators	3.64
Impaired Water Bodies	0.00
Solid Waste	63.7
Sensitive Population	—
Asthma	54.3

Cardio-vascular	69.6
Low Birth Weights	24.6
Socioeconomic Factor Indicators	—
Education	74.7
Housing	55.1
Linguistic	18.9
Poverty	87.8
Unemployment	89.2

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	11.79263442
Employed	1.296034903
Median HI	9.80366996
Education	—
Bachelor's or higher	8.520467086
High school enrollment	1.385859104
Preschool enrollment	84.46041319
Transportation	—
Auto Access	18.88874631
Active commuting	21.86577698
Social	—
2-parent households	44.52713974
Voting	32.45220069
Neighborhood	—
Alcohol availability	74.06646991

Park access	5.877069165
Retail density	4.69652252
Supermarket access	16.07853202
Tree canopy	1.539843449
Housing	—
Homeownership	57.19235211
Housing habitability	34.65930964
Low-inc homeowner severe housing cost burden	30.9380213
Low-inc renter severe housing cost burden	15.57808289
Uncrowded housing	32.32388041
Health Outcomes	—
Insured adults	12.17759528
Arthritis	0.0
Asthma ER Admissions	48.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	7.0
Cognitively Disabled	10.7
Physically Disabled	6.2
Heart Attack ER Admissions	29.6
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	65.5

Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	53.2
SLR Inundation Area	0.0
Children	28.6
Elderly	22.1
English Speaking	70.8
Foreign-born	28.9
Outdoor Workers	16.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.9
Traffic Density	25.5
Traffic Access	23.0
Other Indices	—
Hardship	89.6
Other Decision Support	—
2016 Voting	37.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	48.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Adjusted lot acreage/building size per site plan.
Construction: Construction Phases	Removed demolition phase since the site is vacant. Assumed the same construction schedule as the previously proposed Simpson project.
Construction: Off-Road Equipment	Conservatively assumed all equipment would run for 8 hours/day. Replaced tractors/loaders/backhoes with crawler tractors during the site preparation and grading phases to accurately assess site disturbance. Proportionally reduced original Simpson equipment mix as follows: site preparation and grading were reduced based on the revised site acreage disturbance (62% of original); building construction, architectural coating were reduced based on the revised square footage (74%); paving was kept consistent since a decrease in building SF would result in increased grading. All equipment associated with offsite development was kept the same as the original model since the disturbance acreage would remain consistent.
Construction: Dust From Material Movement	Assumed the same grading export as the previous Simpson project.
Construction: Trips and VMT	SImilar to construction equipment mix, reduced construction trips as per revised site acreage and building SF percentage compared to the original Simpson project (62% of previous site disturbance, 74% of previous building square footage).
Operations: Vehicle Data	Applied the same truck fleet mix as the previous Simpson study.
Operations: Fleet Mix	Applied the same fleet mix as the previous Simpson study
Operations: Off-Road Equipment	Applied the same on-site cargo handling equipment as the previous Simpson study.

Operations: Energy Use	No natural gas
Construction: Architectural Coatings	Adjusted non residential coating to 50 g/L pursuant to SCAQMD Rule 1113, consistent with the Previous Study

22-030 Simpson LST Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	22-030 Simpson LST
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	8.60
Location	33.705441487178845, -117.0396340476545
County	Riverside-South Coast
City	Hemet
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5518
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	885	1000sqft	24.2	884,760	170,945	—	—	—

User Defined Industrial	885	User Defined Unit	0.00	0.00	0.00	—	—	Trucks
Parking Lot	936	Space	8.42	0.00	0.00	—	—	—
Other Asphalt Surfaces	11.6	Acre	11.6	0.00	0.00	—	—	—
Other Asphalt Surfaces	4.52	Acre	4.52	0.00	0.00	—	—	Offsite improvements

1.3. User-Selected Emission Reduction Measures by Emissions Sector

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

2. Emissions Summary

2.4. 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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unmit.	32.6	8.06	65.8	0.08	4.95	1.36	16,875
Daily, Winter (Max)	—	—	—	—	—	—	—
Unmit.	26.0	8.17	25.3	0.07	4.88	1.31	16,411
Average Daily (Max)	—	—	—	—	—	—	—
Unmit.	29.1	6.13	45.3	0.05	3.59	0.98	14,495
Annual (Max)	—	—	—	—	—	—	—
Unmit.	5.30	1.12	8.26	0.01	0.65	0.18	2,400
Exceeds (Daily Max)	—	—	—	—	—	—	—
Threshold	55.0	55.0	550	150	150	55.0	—
Unmit.	No	No	No	No	No	No	—

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

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	4.95	7.67	27.2	0.07	4.87	1.30	7,925
Area	27.7	0.32	38.5	< 0.005	0.07	0.05	159
Energy	0.00	0.00	0.00	0.00	0.00	0.00	4,191
Water	—	—	—	—	—	—	3,024
Waste	—	—	—	—	—	—	1,568
Stationary	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Total	32.6	8.06	65.8	0.08	4.95	1.36	16,875
Daily, Winter (Max)	—	—	—	—	—	—	—
Mobile	4.67	8.10	25.3	0.07	4.87	1.30	7,620
Area	21.3	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	4,191
Water	—	—	—	—	—	—	3,024
Waste	—	—	—	—	—	—	1,568
Stationary	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Total	26.0	8.17	25.3	0.07	4.88	1.31	16,411
Average Daily	—	—	—	—	—	—	—

Mobile	3.39	5.90	18.9	0.05	3.54	0.94	5,601
Area	25.7	0.22	26.4	< 0.005	0.05	0.04	109
Energy	0.00	0.00	0.00	0.00	0.00	0.00	4,191
Water	—	—	—	—	—	—	3,024
Waste	—	—	—	—	—	—	1,568
Stationary	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.92
Total	29.1	6.13	45.3	0.05	3.59	0.98	14,495
Annual	—	—	—	—	—	—	—
Mobile	0.62	1.08	3.45	0.01	0.65	0.17	927
Area	4.69	0.04	4.81	< 0.005	0.01	0.01	18.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	694
Water	—	—	—	—	—	—	501
Waste	—	—	—	—	—	—	260
Stationary	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.15
Total	5.30	1.12	8.26	0.01	0.65	0.18	2,400

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Mobile	4.95	7.67	27.2	0.07	4.87	1.30	7,925
Area	27.7	0.32	38.5	< 0.005	0.07	0.05	159
Energy	0.00	0.00	0.00	0.00	0.00	0.00	4,191
Water	—	—	—	—	—	—	3,024
Waste	—	—	—	—	—	—	1,568
Stationary	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Total	32.6	8.06	65.8	0.08	4.95	1.36	16,875
Daily, Winter (Max)	—	—	—	—	—	—	—

Mobile	4.67	8.10	25.3	0.07	4.87	1.30	7,620
Area	21.3	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	4,191
Water	—	—	—	—	—	—	3,024
Waste	—	—	—	—	—	—	1,568
Stationary	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Total	26.0	8.17	25.3	0.07	4.88	1.31	16,411
Average Daily	—	—	—	—	—	—	—
Mobile	3.39	5.90	18.9	0.05	3.54	0.94	5,601
Area	25.7	0.22	26.4	< 0.005	0.05	0.04	109
Energy	0.00	0.00	0.00	0.00	0.00	0.00	4,191
Water	—	—	—	—	—	—	3,024
Waste	—	—	—	—	—	—	1,568
Stationary	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	0.92
Total	29.1	6.13	45.3	0.05	3.59	0.98	14,495
Annual	—	—	—	—	—	—	—
Mobile	0.62	1.08	3.45	0.01	0.65	0.17	927
Area	4.69	0.04	4.81	< 0.005	0.01	0.01	18.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	694
Water	—	—	—	—	—	—	501
Waste	—	—	—	—	—	—	260
Stationary	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.15
Total	5.30	1.12	8.26	0.01	0.65	0.18	2,400

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	4.70	1.47	24.1	0.04	3.80	0.97	4,157
User Defined Industrial	0.25	6.20	3.09	0.03	1.07	0.32	3,769
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	4.95	7.67	27.2	0.07	4.87	1.30	7,925
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	4.45	1.60	22.1	0.04	3.80	0.97	3,852
User Defined Industrial	0.23	6.50	3.18	0.03	1.07	0.32	3,768
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	4.67	8.10	25.3	0.07	4.87	1.30	7,620
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.59	0.22	3.04	0.01	0.50	0.13	472
User Defined Industrial	0.03	0.86	0.42	< 0.005	0.14	0.04	455
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.62	1.08	3.45	0.01	0.65	0.17	927

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	4.70	1.47	24.1	0.04	3.80	0.97	4,157
User Defined Industrial	0.25	6.20	3.09	0.03	1.07	0.32	3,769
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	4.95	7.67	27.2	0.07	4.87	1.30	7,925
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	4.45	1.60	22.1	0.04	3.80	0.97	3,852
User Defined Industrial	0.23	6.50	3.18	0.03	1.07	0.32	3,768
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	4.67	8.10	25.3	0.07	4.87	1.30	7,620
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.59	0.22	3.04	0.01	0.50	0.13	472
User Defined Industrial	0.03	0.86	0.42	< 0.005	0.14	0.04	455
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.62	1.08	3.45	0.01	0.65	0.17	927

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	3,885
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	307
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	4,191
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	3,885
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	307
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	4,191
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	643
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	50.8
Other Asphalt Surfaces	—	—	—	—	—	—	0.00

Total	—	—	—	—	—	—	694

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	3,885
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	307
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	4,191
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	3,885
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	307
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	4,191
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	643
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	50.8
Other Asphalt Surfaces	—	—	—	—	—	—	0.00

Total	—	—	—	—	—	—	694

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Consumer Products	19.0	—	—	—	—	—	—
Architectural Coatings	2.33	—	—	—	—	—	—
Landscape Equipment	6.32	0.32	38.5	< 0.005	0.07	0.05	159
Total	27.7	0.32	38.5	< 0.005	0.07	0.05	159
Daily, Winter (Max)	—	—	—	—	—	—	—
Consumer Products	19.0	—	—	—	—	—	—
Architectural Coatings	2.33	—	—	—	—	—	—
Total	21.3	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Consumer Products	3.47	—	—	—	—	—	—
Architectural Coatings	0.43	—	—	—	—	—	—
Landscape Equipment	0.79	0.04	4.81	< 0.005	0.01	0.01	18.0
Total	4.69	0.04	4.81	< 0.005	0.01	0.01	18.0

4.3.2. Mitigated

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

Source	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Consumer Products	19.0	—	—	—	—	—	—
Architectural Coatings	2.33	—	—	—	—	—	—

Landscape Equipment	6.32	0.32	38.5	< 0.005	0.07	0.05	159
Total	27.7	0.32	38.5	< 0.005	0.07	0.05	159
Daily, Winter (Max)	—	—	—	—	—	—	—
Consumer Products	19.0	—	—	—	—	—	—
Architectural Coatings	2.33	—	—	—	—	—	—
Total	21.3	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Consumer Products	3.47	—	—	—	—	—	—
Architectural Coatings	0.43	—	—	—	—	—	—
Landscape Equipment	0.79	0.04	4.81	< 0.005	0.01	0.01	18.0
Total	4.69	0.04	4.81	< 0.005	0.01	0.01	18.0

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	3,024
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	3,024
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	3,024

User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	3,024
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	501
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	501

4.4.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	3,024
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	3,024
Daily, Winter (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	3,024

User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	3,024
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	501
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	501

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	1,568
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	1,568
Daily, Winter (Max)	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	1,568
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	1,568
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	260
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	260

4.5.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	1,568
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	1,568
Daily, Winter (Max)	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	1,568
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	1,568
Annual	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	260
User Defined Industrial	—	—	—	—	—	—	0.00
Parking Lot	—	—	—	—	—	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	0.00
Total	—	—	—	—	—	—	260

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.6.2. Mitigated

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

Land Use	ROG	NOx	CO	SO2	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	ROG	NOx	CO	SO2	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Fire Pump	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Total	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Daily, Winter (Max)	—	—	—	—	—	—	—
Fire Pump	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Total	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Annual	—	—	—	—	—	—	—
Fire Pump	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.15
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.15

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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Fire Pump	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Total	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Daily, Winter (Max)	—	—	—	—	—	—	—
Fire Pump	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74
Total	0.01	0.07	0.08	< 0.005	0.01	0.01	6.74

Annual	—	—	—	—	—	—	—
Fire Pump	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.15
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.15

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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	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	PM10T	PM2.5T	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	1,549	133	53.1	413,591	5,422	464	186	1,447,566
User Defined Industrial	335	26.5	8.85	89,269	1,168	92.5	30.8	311,054
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	1,549	133	53.1	413,591	5,422	464	186	1,447,566
User Defined Industrial	335	26.5	8.85	89,269	1,168	92.5	30.8	311,054
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	1,327,140	442,380	64,070

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	4,071,976	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
Parking Lot	321,448	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	4,071,976	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
Parking Lot	321,448	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	204,600,750	2,710,455
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	204,600,750	2,710,455
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	832	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Other Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	832	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—
Other Asphalt Surfaces	0.00	—
Other Asphalt Surfaces	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

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

Fire Pump	Diesel	1.00	1.00	50.0	8.00	0.73

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	26.9	annual days of extreme heat
Extreme Precipitation	2.50	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	16.8	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	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	3	1	1	3
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	91.1
AQ-PM	45.7
AQ-DPM	14.4
Drinking Water	10.2
Lead Risk Housing	51.8
Pesticides	77.9
Toxic Releases	22.0
Traffic	32.2
Effect Indicators	—
CleanUp Sites	0.00
Groundwater	14.3
Haz Waste Facilities/Generators	3.64
Impaired Water Bodies	0.00
Solid Waste	63.7
Sensitive Population	—
Asthma	54.3
Cardio-vascular	69.6
Low Birth Weights	24.6
Socioeconomic Factor Indicators	—

Education	74.7
Housing	55.1
Linguistic	18.9
Poverty	87.8
Unemployment	89.2

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	11.79263442
Employed	1.296034903
Median HI	9.80366996
Education	—
Bachelor's or higher	8.520467086
High school enrollment	1.385859104
Preschool enrollment	84.46041319
Transportation	—
Auto Access	18.88874631
Active commuting	21.86577698
Social	—
2-parent households	44.52713974
Voting	32.45220069
Neighborhood	—
Alcohol availability	74.06646991
Park access	5.877069165
Retail density	4.69652252
Supermarket access	16.07853202

Tree canopy	1.539843449
Housing	—
Homeownership	57.19235211
Housing habitability	34.65930964
Low-inc homeowner severe housing cost burden	30.9380213
Low-inc renter severe housing cost burden	15.57808289
Uncrowded housing	32.32388041
Health Outcomes	—
Insured adults	12.17759528
Arthritis	0.0
Asthma ER Admissions	48.9
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	7.0
Cognitively Disabled	10.7
Physically Disabled	6.2
Heart Attack ER Admissions	29.6
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	65.5
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—

Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	53.2
SLR Inundation Area	0.0
Children	28.6
Elderly	22.1
English Speaking	70.8
Foreign-born	28.9
Outdoor Workers	16.3
Climate Change Adaptive Capacity	—
Impervious Surface Cover	88.9
Traffic Density	25.5
Traffic Access	23.0
Other Indices	—
Hardship	89.6
Other Decision Support	—
2016 Voting	37.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	48.0
Healthy Places Index Score for Project Location (b)	2.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Adjusted lot acreage/building size per site plan.
Construction: Construction Phases	Removed demolition phase since the site is vacant. Assumed the same construction schedule as the previously proposed Simpson project.
Construction: Off-Road Equipment	Conservatively assumed all equipment would run for 8 hours/day. Replaced tractors/loaders/backhoes with crawler tractors during the site preparation and grading phases to accurately assess site disturbance. Proportionally reduced original Simpson equipment mix as follows: site preparation and grading were reduced based on the revised site acreage disturbance (62% of original); building construction, architectural coating were reduced based on the revised square footage (74%); paving was kept consistent since a decrease in building SF would result in increased grading. All equipment associated with offsite development was kept the same as the original model since the disturbance acreage would remain consistent.
Construction: Dust From Material Movement	Assumed the same grading export as the previous Simpson project.
Construction: Trips and VMT	SImilar to construction equipment mix, reduced construction trips as per revised site acreage and building SF percentage compared to the original Simpson project (62% of previous site disturbance, 74% of previous building square footage).
Operations: Vehicle Data	To approximate localized operational mobile source emissions, trip lengths for each land use subtype were reduced proportionally. This reduced percentage was obtained by taking the proportion of Operational VMT to Localized VMT from the previous Simpson study (~17.5% for warehouse and ~11.5% for user defined industrial [trucks]).
Operations: Fleet Mix	Applied the same fleet mix as the previous Simpson study
Operations: Off-Road Equipment	Applied the same on-site cargo handling equipment as the previous Simpson study.
Operations: Energy Use	No natural gas