

TECHNICAL MEMORANDUM

DATE: July 1, 2026
TO: Eva Covarrubias, County of Riverside
FROM: Alex So, Urban Crossroads, Inc.
JOB NO: 17103-01 VMT.docx



SUBJECT: Plot Plan No. 26225, Revised
Permit No. 1, (PP26225R01) **VEHICLE MILES TRAVELED (VMT) SCREENING
EVALUATION**

Urban Crossroads, Inc. has completed the following Vehicle Miles Traveled (VMT) Screening Evaluation for Akash Winery (Project) located at 39730 Calle Contento in unincorporated County of Riverside.

PROJECT OVERVIEW

It is our understanding that the 19.34-acre Project facility has approximately 14.5 acres devoted to vineyards. The existing structures on-site consist of the following: a 4,932 square foot (sf) tasting and production building (consisting of tasting, retail, lounge, and wine production, storage, office/lab, and glass washing station), and a 430 sf restroom facility.

The Project proposes to expand the existing 4,932 sf tasting and production building by an additional 16,886 square feet. The expanded building area will consist of an increased wine production area, wine storage, wine lab, barrel washroom, staff restroom, staff breakroom, offices, conference room, and a covered tractor parking area. The existing wine tasting/production building area will also be modified to add a delicatessen and wine tasting bar. Outdoor patio covers will also be replaced along with the addition of an outdoor wine tasting bar and refrigeration unit.

BACKGROUND

The California Environmental Quality Act (CEQA) requires all lead agencies to adopt VMT as the measure for identifying transportation impacts for land use projects. The VMT analysis presented in this report has been developed based on the adopted County of Riverside Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled (December 2020) (**County Guidelines**) (1).

VMT SCREENING

Consistent with County Guidelines, projects should be evaluated based on their location and project type to determine if a presumption of a less than significant VMT impact can be made. The following screening criteria are listed in the County Guidelines, and those applicable to the proposed Project (highlighted in **bold**) are identified.

- **Small Projects**
- **High Quality Transit Areas (HQT)**
- Local Serving Retail (not applicable)



- Affordable Housing (not applicable)
- Local Essential Service (not applicable)
- **Map-Based Screening**

SMALL PROJECTS SCREENING

County Guidelines describes small projects as those with low trip generation per existing CEQA exemptions or those forecasted to generate greenhouse gas (GHG) emissions below 3,000 Metric Tons of Carbon Dioxide Equivalent (MTCO₂e) per year.¹ The proposed Project is expected to generate more than 110 vehicle trips per day; however, the Project is expected to produce 961.63 MTCO₂e per year, which is below the 3,000 MTCO₂e annual threshold (See Attachment B).

Small Projects screening criteria is met.

HIGH QUALITY TRANSIT AREAS (HQT) SCREENING

Projects located within a Transit Priority Area (TPA) (i.e., within ½ mile of an existing “major transit stop”² or an existing stop along a “high-quality transit corridor”³) may be presumed to have a less than significant impact, absent substantial evidence to the contrary. However, the presumption may not be appropriate if a project:

- Has a Floor Area Ratio (FAR) of less than 0.75.
- Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking).
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization); or
- Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

The Project does not meet the secondary criteria of having a FAR of greater than 0.75. As such, the Project would not qualify for HQT screening irrespective of the Project’s proximity to transit.

HQT screening criteria is not met.

MAP-BASED SCREENING

The County Guidelines note that “this method eliminates the need for complex analyses, by allowing existing VMT data to serve as a basis for the screening smaller developments. Note that screening is limited to residential and office projects.”⁴ As the Project is neither residential nor office, the Project does not qualify for this screening criteria.

Map-Based screening criteria is not met.

¹ County Guidelines; Page 19.

² Pub. Resources Code, § 21064.3 (“Major transit stop” means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.”).

³ Pub. Resources Code, § 21155 (“For purposes of this section, a high-quality transit corridor means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.”).

⁴ County Guidelines, Page 20



CONCLUSION

In summary, the Project meets the Small Project less than 3,000 MTCO₂e/yr criteria and is therefore presumed to have a less than significant VMT impact; no additional VMT analysis is required.

If you have any questions, please contact me directly at aso@urbanxroads.com.

REFERENCES

1. **County of Riverside.** *Transportation Analysis Guidelines for Level of Service Vehicle Miles Traveled.* County of Riverside : s.n., December 2020.



ATTACHMENT A:
CALEEMod GHG OUTPUT WORKSHEET

17103 - Akash Winery Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	17103 - Akash Winery
Construction Start Date	12/14/2026
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	1.80000
Precipitation (days)	18.6000
Location	39730 Calle Contento, Temecula, CA 92591, USA
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5530
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

Data Field	Value
App Version	2022.1.1.45

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
Quality Restaurant	15.9250	1000sqft	0.36559	15,925.0	0.00000	—	—	—
General Light Industry	0.96100	1000sqft	0.02206	961.000	0.00000	—	—	Wine Production
Parking Lot	221.000	Space	4.45000	0.00000	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	FOG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.5835	13.4850	12.2028	13.2275	0.04919	0.36206	1.26800	1.63005	0.33732	0.33938	0.67670	—	5,805.57	5,805.57	0.14722	0.53197	9.69355	5,977.47

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.90476	1.56199	16.1060	16.1226	0.04979	0.64055	3.38520	4.02575	0.59354	1.25958	1.85312	—	6,220.82	6,220.82	0.16272	0.56185	0.27508	6,392.59
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.78961	0.71237	3.31985	3.46722	0.01374	0.09679	0.37323	0.47003	0.09031	0.09996	0.19027	—	1,638.18	1,638.18	0.04055	0.15756	1.24448	1,687.39
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.14410	0.13001	0.60587	0.63277	0.00251	0.01766	0.06811	0.08578	0.01648	0.01824	0.03473	—	271.220	271.220	0.00671	0.02609	0.20604	279.367

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	13.5835	13.4850	12.2028	13.2275	0.04919	0.36206	1.26800	1.63005	0.33732	0.33938	0.67670	—	5,805.57	5,805.57	0.14722	0.53197	9.69355	5,977.47
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.90476	1.56199	16.1060	16.1226	0.04979	0.64055	3.38520	4.02575	0.59354	1.25958	1.85312	—	6,220.82	6,220.82	0.16272	0.56185	0.27508	6,392.59

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Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
2027	1.49905	1.21077	12.3249	12.9075	0.04919	0.36206	1.26800	1.63005	0.33732	0.33938	0.67670	—	5,784.17	5,784.17	0.14733	0.53197	0.25183	5,946.63
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.05927	0.04807	0.49266	0.49942	0.00181	0.01596	0.05776	0.07373	0.01484	0.01741	0.03225	—	217.442	217.442	0.00552	0.02058	0.16795	223.880
2027	0.78961	0.71237	3.31985	3.46722	0.01374	0.09679	0.37323	0.47003	0.09031	0.09996	0.19027	—	1,638.18	1,638.18	0.04055	0.15756	1.24448	1,687.39
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.01082	0.00877	0.08991	0.09114	0.00033	0.00291	0.01054	0.01346	0.00271	0.00318	0.00589	—	36.0001	36.0001	0.00091	0.00341	0.02781	37.0659
2027	0.14410	0.13001	0.60587	0.63277	0.00251	0.01766	0.06811	0.08578	0.01648	0.01824	0.03473	—	271.220	271.220	0.00671	0.02609	0.20604	279.367

2.2.2. Onsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	13.4041	13.3723	9.47687	11.4072	0.02273	0.30915	0.00000	0.30915	0.28441	0.00000	0.28441	—	2,159.13	2,159.13	0.08758	0.01752	0.00000	2,166.54
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.72575	1.45011	13.1150	14.5107	0.02333	0.58764	2.11720	2.70484	0.54063	0.92020	1.46083	—	2,527.64	2,527.64	0.10253	0.02051	0.00000	2,536.31
2027	1.32433	1.10319	9.47687	11.4072	0.02273	0.30915	0.00000	0.30915	0.28441	0.00000	0.28441	—	2,159.13	2,159.13	0.08758	0.01752	0.00000	2,166.54
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.05271	0.04397	0.38053	0.43834	0.00084	0.01402	0.01160	0.02562	0.01290	0.00504	0.01794	—	81.4568	81.4568	0.00330	0.00066	0.00000	81.7364
2027	0.73754	0.68027	2.46366	3.00673	0.00587	0.08106	0.00000	0.08106	0.07457	0.00000	0.07457	—	559.011	559.011	0.02268	0.00454	0.00000	560.929

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00962	0.00802	0.06945	0.08000	0.00015	0.00256	0.00212	0.00468	0.00235	0.00092	0.00327	—	13.4861	13.4861	0.00055	0.00011	0.00000	13.5324
2027	0.13460	0.12415	0.44962	0.54873	0.00107	0.01479	0.00000	0.01479	0.01361	0.00000	0.01361	—	92.5506	92.5506	0.00375	0.00075	0.00000	92.8683

2.2.3. Offsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.17946	0.11266	2.72591	1.82025	0.02646	0.05291	1.26800	1.32091	0.05291	0.33938	0.39229	—	3,646.44	3,646.44	0.05964	0.51445	9.69355	3,810.93
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.17902	0.11188	2.99101	1.61191	0.02646	0.05291	1.26800	1.32091	0.05291	0.33938	0.39229	—	3,693.18	3,693.18	0.06019	0.54135	0.27508	3,856.28
2027	0.17472	0.10759	2.84804	1.50025	0.02646	0.05291	1.26800	1.32091	0.05291	0.33938	0.39229	—	3,625.04	3,625.04	0.05975	0.51445	0.25183	3,780.09
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00657	0.00410	0.11213	0.06108	0.00097	0.00195	0.04616	0.04811	0.00195	0.01236	0.01431	—	135.986	135.986	0.00221	0.01992	0.16795	142.144
2027	0.05207	0.03210	0.85618	0.46049	0.00787	0.01574	0.37323	0.38897	0.01574	0.09966	0.11570	—	1,079.17	1,079.17	0.01787	0.15303	1.24448	1,126.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.00120	0.00075	0.02046	0.01115	0.00018	0.00036	0.00842	0.00878	0.00036	0.00226	0.00261	—	22.5140	22.5140	0.00037	0.00330	0.02781	23.5335
2027	0.00950	0.00586	0.15625	0.08404	0.00144	0.00287	0.06811	0.07099	0.00287	0.01824	0.02112	—	178.669	178.669	0.00296	0.02534	0.20604	186.499

2.3. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOX	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.17014	0.98570	1.92731	15.7697	0.04675	0.06897	3.96121	4.03018	0.06688	1.00536	1.07224	22.6955	5,817.54	5,840.24	2.53681	0.20822	23.4444	5,989.16
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.03055	0.85929	2.02905	11.8296	0.04397	0.06767	3.96121	4.02887	0.06589	1.00536	1.07126	22.6955	5,536.93	5,559.62	2.53458	0.21348	9.39856	5,696.00
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.12282	0.94420	2.07116	12.8346	0.04439	0.06856	3.91400	3.98256	0.06657	0.99356	1.06013	22.6955	5,579.14	5,601.83	2.53498	0.21529	15.2510	5,744.62
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.20491	0.17232	0.37799	2.34232	0.00810	0.01251	0.71431	0.72682	0.01215	0.18133	0.19347	3.75751	923.690	927.447	0.41969	0.03564	2.52498	951.087

2.4. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOX	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.57174	0.42483	1.42216	14.6162	0.04372	0.02974	3.96121	3.99095	0.02797	1.00536	1.03333	—	4,471.08	4,471.08	0.10748	0.16379	14.4198	4,536.99
Area	0.54351	0.53343	0.00618	0.73439	0.00004	0.00130	—	0.00130	0.00099	—	0.00099	—	3.02000	3.02000	0.00013	0.00003	—	3.03089

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Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Energy	0.05489	0.02744	0.49897	0.41913	0.00299	0.03792	—	0.03792	0.03792	—	0.03792	—	1,295.53	1,295.53	0.11943	0.00921	—	1,301.26
Water	—	—	—	—	—	—	—	—	—	—	—	14.2217	47.9190	62.1407	1.46284	0.03520	—	109.202
Waste	—	—	—	—	—	—	—	—	—	—	—	8.47384	0.00000	8.47384	0.84693	0.00000	—	29.6471
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.02466	9.02466
Total	1.17014	0.98570	1.92731	15.7697	0.04675	0.06897	3.96121	4.03018	0.06888	1.00536	1.07224	22.6955	5,817.54	5,840.24	2.53681	0.20822	23.4444	5,989.16
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.56284	0.41902	1.53008	11.4104	0.04097	0.02974	3.96121	3.99095	0.02797	1.00536	1.03333	—	4,193.48	4,193.48	0.10538	0.16906	0.37389	4,246.87
Area	0.41283	0.41283	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.05489	0.02744	0.49897	0.41913	0.00299	0.03792	—	0.03792	0.03792	—	0.03792	—	1,295.53	1,295.53	0.11943	0.00921	—	1,301.26
Water	—	—	—	—	—	—	—	—	—	—	—	14.2217	47.9190	62.1407	1.46284	0.03520	—	109.202
Waste	—	—	—	—	—	—	—	—	—	—	—	8.47384	0.00000	8.47384	0.84693	0.00000	—	29.6471
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.02466	9.02466
Total	1.03055	0.85929	2.02905	11.8296	0.04397	0.06767	3.96121	4.02887	0.06589	1.00536	1.07126	22.6955	5,536.93	5,559.62	2.53458	0.21348	9.39856	5,696.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.56560	0.42132	1.56796	11.9125	0.04137	0.02974	3.91400	3.94375	0.02797	0.99356	1.02153	—	4,233.62	4,233.62	0.10569	0.17086	6.22633	4,293.41
Area	0.50233	0.49543	0.00423	0.50301	0.00003	0.00089	—	0.00089	0.00068	—	0.00068	—	2.06850	2.06850	0.00009	0.00002	—	2.07595
Energy	0.05489	0.02744	0.49897	0.41913	0.00299	0.03792	—	0.03792	0.03792	—	0.03792	—	1,295.53	1,295.53	0.11943	0.00921	—	1,301.26
Water	—	—	—	—	—	—	—	—	—	—	—	14.2217	47.9190	62.1407	1.46284	0.03520	—	109.202
Waste	—	—	—	—	—	—	—	—	—	—	—	8.47384	0.00000	8.47384	0.84693	0.00000	—	29.6471
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.02466	9.02466

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Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Total	1.12282	0.94420	2.07116	12.8346	0.04439	0.06856	3.91400	3.98256	0.06657	0.99356	1.06013	22.6955	5,579.14	5,601.83	2.53498	0.21529	15.2510	5,744.62
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.10322	0.07689	0.28615	2.17403	0.00755	0.00543	0.71431	0.71973	0.00510	0.18133	0.18643	—	700.924	700.924	0.01750	0.02829	1.03084	710.823
Area	0.09168	0.09042	0.00077	0.09180	0.00001	0.00016	—	0.00016	0.00012	—	0.00012	—	0.34246	0.34246	0.00001	<0.00005	—	0.34370
Energy	0.01002	0.00501	0.09106	0.07649	0.00055	0.00692	—	0.00692	0.00692	—	0.00692	—	214.490	214.490	0.01977	0.00152	—	215.438
Water	—	—	—	—	—	—	—	—	—	—	—	2.35456	7.93355	10.2881	0.24219	0.00583	—	18.0796
Waste	—	—	—	—	—	—	—	—	—	—	—	1.40294	0.00000	1.40294	0.14022	0.00000	—	4.90842
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.49414	1.49414
Total	0.20491	0.17232	0.37799	2.34232	0.00810	0.01251	0.71431	0.72682	0.01215	0.18133	0.19347	3.75751	923.690	927.447	0.41969	0.03564	2.52498	951.087

3. Construction Emissions Details

3.1. Grading (2026)

3.1.1. Onsite - Unmitigated

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

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

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Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Off-Road Equipment	1.72575	1.45011	13.1150	14.5107	0.02333	0.58764	—	0.58764	0.54063	—	0.54063	—	2,527.64	2,527.64	0.10253	0.02051	—	2,536.31
Dust From Material Movement	—	—	—	—	—	—	2.11720	2.11720	—	0.92020	0.92020	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00946	0.00795	0.07186	0.07951	0.00013	0.00322	—	0.00322	0.00296	—	0.00296	—	13.8501	13.8501	0.00056	0.00011	—	13.8976
Dust From Material Movement	—	—	—	—	—	—	0.01160	0.01160	—	0.00504	0.00504	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00173	0.00145	0.01311	0.01451	0.00002	0.00059	—	0.00059	0.00054	—	0.00054	—	2.29304	2.29304	0.00009	0.00002	—	2.30091
Dust From Material Movement	—	—	—	—	—	—	0.00212	0.00212	—	0.00092	0.00092	—	—	—	—	—	—	—

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08973	0.07981	0.08752	1.08908	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	253.625	253.625	0.00397	0.00992	0.02426	256.705
Vendor	0.08929	0.03208	2.90349	0.52283	0.02646	0.05291	1.00658	1.05949	0.05291	0.27810	0.33101	—	3,439.55	3,439.55	0.05622	0.53142	0.25082	3,599.57
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00049	0.00043	0.00052	0.00624	0.00000	0.00000	0.00142	0.00142	0.00000	0.00033	0.00033	—	1.40735	1.40735	0.00002	0.00005	0.00221	1.42630
Vendor	0.00049	0.00018	0.01618	0.00285	0.00014	0.00029	0.00546	0.00575	0.00029	0.00151	0.00180	—	18.8458	18.8458	0.00031	0.00291	0.02280	19.7441
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00009	0.00008	0.00010	0.00114	0.00000	0.00000	0.00026	0.00026	0.00000	0.00006	0.00006	—	0.23300	0.23300	<0.00005	0.00001	0.00037	0.23614
Vendor	0.00009	0.00003	0.00295	0.00052	0.00003	0.00005	0.00100	0.00105	0.00005	0.00028	0.00033	—	3.12014	3.12014	0.00005	0.00048	0.00378	3.26886
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2. Building Construction (2026)

3.2.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOX	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.38126	1.15048	9.85821	11.4601	0.02273	0.34482	—	0.34482	0.31724	—	0.31724	—	2,159.19	2,159.19	0.08759	0.01752	—	2,166.60
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04325	0.03602	0.30867	0.35883	0.00071	0.01080	—	0.01080	0.00993	—	0.00993	—	67.6067	67.6067	0.00274	0.00055	—	67.8388
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00789	0.00657	0.05633	0.06549	0.00013	0.00197	—	0.00197	0.00181	—	0.00181	—	11.1931	11.1931	0.00045	0.00009	—	11.2315
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOX	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08973	0.07981	0.08752	1.08908	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	253.625	253.625	0.00397	0.00992	0.02426	256.705
Vendor	0.08929	0.03208	2.90349	0.52283	0.02646	0.05291	1.00658	1.05949	0.05291	0.27810	0.33101	—	3,439.55	3,439.55	0.05622	0.53142	0.25082	3,599.57
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00280	0.00249	0.00300	0.03567	0.00000	0.00000	0.00809	0.00809	0.00000	0.00189	0.00189	—	8.04200	8.04200	0.00012	0.00031	0.01264	8.15031
Vendor	0.00280	0.00100	0.09243	0.01631	0.00083	0.00166	0.03120	0.03286	0.00166	0.00863	0.01029	—	107.690	107.690	0.00176	0.01664	0.13030	112.823
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00051	0.00045	0.00055	0.00651	0.00000	0.00000	0.00148	0.00148	0.00000	0.00035	0.00035	—	1.33144	1.33144	0.00002	0.00005	0.00209	1.34938
Vendor	0.00051	0.00018	0.01687	0.00298	0.00015	0.00030	0.00569	0.00600	0.00030	0.00157	0.00188	—	17.8294	17.8294	0.00029	0.00275	0.02157	18.6792
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Building Construction (2027)

3.3.1. Onsite - Unmitigated

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

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Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.32433	1.10319	9.47687	11.4072	0.02273	0.30915	—	0.30915	0.28441	—	0.28441	—	2,159.13	2,159.13	0.08758	0.01752	—	2,166.54
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.32433	1.10319	9.47687	11.4072	0.02273	0.30915	—	0.30915	0.28441	—	0.28441	—	2,159.13	2,159.13	0.08758	0.01752	—	2,166.54
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32136	0.26770	2.29967	2.76809	0.00552	0.07502	—	0.07502	0.06902	—	0.06902	—	523.937	523.937	0.02125	0.00425	—	525.735
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05865	0.04886	0.41969	0.50518	0.00101	0.01369	—	0.01369	0.01260	—	0.01260	—	86.7437	86.7437	0.00352	0.00070	—	87.0414
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOX	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09017	0.08025	0.06945	1.32851	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	270.715	270.715	0.00309	0.00948	0.84102	274.459
Vendor	0.08929	0.03241	2.65646	0.49174	0.02646	0.05291	1.00658	1.05949	0.05291	0.27810	0.33101	—	3,375.73	3,375.73	0.05655	0.50497	8.85253	3,536.48
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08576	0.07584	0.07848	1.00421	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	248.978	248.978	0.00353	0.00948	0.02181	251.913
Vendor	0.08896	0.03175	2.76956	0.49604	0.02646	0.05291	1.00658	1.05949	0.05291	0.27810	0.33101	—	3,376.07	3,376.07	0.05622	0.50497	0.23001	3,528.18
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02081	0.01840	0.02102	0.25577	0.00000	0.00000	0.06268	0.06268	0.00000	0.01468	0.01468	—	61.1818	61.1818	0.00086	0.00230	0.08803	61.9768
Vendor	0.02167	0.00778	0.67744	0.11989	0.00642	0.01284	0.24180	0.25464	0.01284	0.06687	0.07971	—	819.194	819.194	0.01372	0.12254	0.92720	856.980
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00380	0.00336	0.00384	0.04668	0.00000	0.00000	0.01144	0.01144	0.00000	0.00268	0.00268	—	10.1294	10.1294	0.00014	0.00038	0.01457	10.2610
Vendor	0.00395	0.00142	0.12363	0.02188	0.00117	0.00234	0.04413	0.04647	0.00234	0.01220	0.01455	—	135.627	135.627	0.00227	0.02029	0.15351	141.883
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4. Paving (2027)

3.4.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOX	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62044	0.52043	4.87754	7.20959	0.01050	0.19500	—	0.19500	0.17940	—	0.17940	—	1,102.20	1,102.20	0.04471	0.00894	—	1,105.98
Paving	1.16590	1.16590	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01700	0.01426	0.13363	0.19752	0.00029	0.00534	—	0.00534	0.00491	—	0.00491	—	30.1972	30.1972	0.00122	0.00024	—	30.3008
Paving	0.03194	0.03194	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00310	0.00260	0.02439	0.03605	0.00005	0.00097	—	0.00097	0.00090	—	0.00090	—	4.99948	4.99948	0.00020	0.00004	—	5.01664

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Paving	0.00583	0.00583	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09017	0.08025	0.06945	1.32851	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	270.715	270.715	0.00309	0.00948	0.84102	274.459
Vendor	0.08929	0.03241	2.65646	0.49174	0.02646	0.05291	1.00658	1.05949	0.05291	0.27810	0.33101	—	3,375.73	3,375.73	0.05655	0.50497	8.85253	3,536.48
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00235	0.00208	0.00237	0.02888	0.00000	0.00000	0.00708	0.00708	0.00000	0.00166	0.00166	—	6.90763	6.90763	0.00010	0.00026	0.00994	6.99738
Vendor	0.00245	0.00088	0.07649	0.01354	0.00072	0.00145	0.02730	0.02875	0.00145	0.00755	0.00900	—	92.4896	92.4896	0.00155	0.01383	0.10468	96.7558
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00043	0.00038	0.00043	0.00527	0.00000	0.00000	0.00129	0.00129	0.00000	0.00030	0.00030	—	1.14364	1.14364	0.00002	0.00004	0.00165	1.15850
Vendor	0.00045	0.00016	0.01396	0.00247	0.00013	0.00026	0.00498	0.00525	0.00026	0.00138	0.00164	—	15.3127	15.3127	0.00026	0.00229	0.01733	16.0190
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Architectural Coating (2027)

3.5.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOX	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18287	0.15113	1.10822	1.50052	0.00230	0.02540	—	0.02540	0.02337	—	0.02337	—	178.017	178.017	0.00722	0.00144	—	178.628
Architectural Coatings	13.2212	13.2212	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00501	0.00414	0.03036	0.04111	0.00006	0.00070	—	0.00070	0.00064	—	0.00064	—	4.87718	4.87718	0.00020	0.00004	—	4.89391
Architectural Coatings	0.36222	0.36222	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Off-Road Equipment	0.00091	0.00076	0.00554	0.00750	0.00001	0.00013	—	0.00013	0.00012	—	0.00012	—	0.80747	0.80747	0.00003	0.00001	—	0.81024
Architectural Coatings	0.06611	0.06611	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09017	0.08025	0.06945	1.32851	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	270.715	270.715	0.00309	0.00948	0.84102	274.459
Vendor	0.08929	0.03241	2.65646	0.49174	0.02646	0.05291	1.00658	1.05949	0.05291	0.27810	0.33101	—	3,375.73	3,375.73	0.05655	0.50497	8.85253	3,536.48
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00235	0.00208	0.00237	0.02888	0.00000	0.00000	0.00708	0.00708	0.00000	0.00166	0.00166	—	6.90763	6.90763	0.00010	0.00026	0.00994	6.99738
Vendor	0.00245	0.00088	0.07649	0.01354	0.00072	0.00145	0.02730	0.02875	0.00145	0.00755	0.00900	—	92.4896	92.4896	0.00155	0.01383	0.10468	96.7558
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Worker	0.00043	0.00038	0.00043	0.00527	0.00000	0.00000	0.00129	0.00129	0.00000	0.00030	0.00030	—	1.14364	1.14364	0.00002	0.00004	0.00165	1.15850
Vendor	0.00045	0.00016	0.01396	0.00247	0.00013	0.00026	0.00498	0.00525	0.00026	0.00138	0.00164	—	15.3127	15.3127	0.00026	0.00229	0.01733	16.0190
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	530.396	530.396	0.05056	0.00613	—	533.486

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Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	8.72213	8.72213	0.00083	0.00010	—	8.77294
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	161.058	161.058	0.01535	0.00186	—	161.996
Total	—	—	—	—	—	—	—	—	—	—	—	—	700.176	700.176	0.06674	0.00809	—	704.255
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	530.396	530.396	0.05056	0.00613	—	533.486
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	8.72213	8.72213	0.00083	0.00010	—	8.77294
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	161.058	161.058	0.01535	0.00186	—	161.996
Total	—	—	—	—	—	—	—	—	—	—	—	—	700.176	700.176	0.06674	0.00809	—	704.255
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	87.8131	87.8131	0.00837	0.00101	—	88.3247
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	1.44405	1.44405	0.00014	0.00002	—	1.45246
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	26.6649	26.6649	0.00254	0.00031	—	26.8203
Total	—	—	—	—	—	—	—	—	—	—	—	—	115.922	115.922	0.01105	0.00134	—	116.597

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO ₂	PM _{10E}	PM _{10D}	PM _{10T}	PM _{2.5E}	PM _{2.5D}	PM _{2.5T}	BCO ₂	NBCO ₂	CO _{2T}	CH ₄	N ₂ O	R	CO _{2e}
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	0.05367	0.02683	0.48788	0.40982	0.00293	0.03708	—	0.03708	0.03708	—	0.03708	—	582.125	582.125	0.05152	0.00110	—	583.740
General Light Industry	0.00122	0.00061	0.01109	0.00931	0.00007	0.00084	—	0.00084	0.00084	—	0.00084	—	13.2281	13.2281	0.00117	0.00002	—	13.2648
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.05489	0.02744	0.49897	0.41913	0.00299	0.03792	—	0.03792	0.03792	—	0.03792	—	595.353	595.353	0.05269	0.00112	—	597.005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	0.05367	0.02683	0.48788	0.40982	0.00293	0.03708	—	0.03708	0.03708	—	0.03708	—	582.125	582.125	0.05152	0.00110	—	583.740
General Light Industry	0.00122	0.00061	0.01109	0.00931	0.00007	0.00084	—	0.00084	0.00084	—	0.00084	—	13.2281	13.2281	0.00117	0.00002	—	13.2648
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.05489	0.02744	0.49897	0.41913	0.00299	0.03792	—	0.03792	0.03792	—	0.03792	—	595.353	595.353	0.05269	0.00112	—	597.005
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Quality Restaurant	0.00979	0.00490	0.08904	0.07479	0.00053	0.00677	—	0.00677	0.00677	—	0.00677	—	96.3775	96.3775	0.00853	0.00018	—	96.6448
General Light Industry	0.00022	0.00011	0.00202	0.00170	0.00001	0.00015	—	0.00015	0.00015	—	0.00015	—	2.19007	2.19007	0.0001905	<0.00005	—	2.19614
Parking Lot	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.01002	0.00501	0.09106	0.07649	0.00055	0.00692	—	0.00692	0.00692	—	0.00692	—	98.5675	98.5675	0.00872	0.00019	—	98.8409

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.37661	0.37661	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03622	0.03622	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	0.13068	0.12060	0.00618	0.73439	0.00004	0.00130	—	0.00130	0.00099	—	0.00099	—	3.02000	3.02000	0.00013	0.00003	—	3.03089
Total	0.54351	0.53343	0.00618	0.73439	0.00004	0.00130	—	0.00130	0.00099	—	0.00099	—	3.02000	3.02000	0.00013	0.00003	—	3.03089

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.37661	0.37661	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.03622	0.03622	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.41283	0.41283	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.06873	0.06873	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00661	0.00661	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	0.01633	0.01507	0.00077	0.09180	0.00001	0.00016	—	0.00016	0.00012	—	0.00012	—	0.34246	0.34246	0.0000105	< 0.000005	—	0.34370
Total	0.09168	0.09042	0.00077	0.09180	0.00001	0.00016	—	0.00016	0.00012	—	0.00012	—	0.34246	0.34246	0.0000105	< 0.000005	—	0.34370

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)

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Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	9.26265	31.2099	40.4725	0.95275	0.02293	—	71.1236
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	4.95904	16.7092	21.6682	0.51009	0.01227	—	38.0782
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	14.2217	47.9190	62.1407	1.46284	0.03520	—	109.202
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	9.26265	31.2099	40.4725	0.95275	0.02293	—	71.1236
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	4.95904	16.7092	21.6682	0.51009	0.01227	—	38.0782
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	14.2217	47.9190	62.1407	1.46284	0.03520	—	109.202
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.53354	5.16715	6.70069	0.15774	0.00380	—	11.7753

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.82103	2.76639	3.58742	0.08445	0.00203	—	6.30428
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	2.35456	7.93355	10.2881	0.24219	0.00583	—	18.0796

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.83162	0.00000	7.83162	0.78274	0.00000	—	27.4002
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.64222	0.00000	0.64222	0.06419	0.00000	—	2.24691
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	8.47384	0.00000	8.47384	0.84693	0.00000	—	29.6471
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	7.83162	0.00000	7.83162	0.78274	0.00000	—	27.4002
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.64222	0.00000	0.64222	0.06419	0.00000	—	2.24691
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	8.47384	0.00000	8.47384	0.84693	0.00000	—	29.6471
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	1.29661	0.00000	1.29661	0.12959	0.00000	—	4.53641
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	0.10633	0.00000	0.10633	0.01063	0.00000	—	0.37200
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	1.40294	0.00000	1.40294	0.14022	0.00000	—	4.90842

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)

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Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.93481	8.93481
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08985	0.08985
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.02466	9.02466
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.93481	8.93481
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08985	0.08985
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.02466	9.02466
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quality Restaurant	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.47926	1.47926
General Light Industry	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01488	0.01488
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.49414	1.49414

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
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
Grading	Grading	12/14/2026	12/15/2026	5.00000	2.00000	2
Building Construction	Building Construction	12/16/2026	5/4/2027	5.00000	100.0000	100
Paving	Paving	5/5/2027	5/18/2027	5.00000	10.00000	10

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Architectural Coating	Architectural Coating	5/19/2027	6/1/2027	5.00000	10.00000	10

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
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Tractors/Loaders/ Backhoes	Diesel	Average	2.00000	8.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	8.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	1.000000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/ Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	3.00000	8.00000	46.0000	0.45000
Paving	Cement and Mortar Mixers	Diesel	Average	1.000000	8.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	1.000000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Paving	Tractors/Loaders/ Backhoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Architectural Coating	Air Compressors	Diesel	Average	1.000000	8.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	15.0000	80.0000	HHD,T,MHDT
Grading	Hauling	0.00000	0.00000	HHD
Grading	Onsite truck	0.00000	0.00000	HHD
Building Construction	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	15.0000	80.0000	HHD,T,MHDT
Building Construction	Hauling	0.00000	0.00000	HHD
Building Construction	Onsite truck	0.00000	0.00000	HHD
Paving	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	15.0000	80.0000	HHD,T,MHDT
Paving	Hauling	0.00000	0.00000	HHD
Paving	Onsite truck	0.00000	0.00000	HHD
Architectural Coating	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	15.0000	80.0000	HHD,T,MHDT
Architectural Coating	Hauling	0.00000	0.00000	HHD

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Architectural Coating	Onsite truck	0.00000	0.00000	HDDT

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	0.00000	0.00000	25,329.0	8,443.00	11,630.5

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)
Grading	—	—	2.00000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	4.45000

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Quality Restaurant	0.00000	0%
Paving	General Light Industry	0.00000	0%
Paving	Parking Lot	4.45000	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00000	346.196	0.03300	0.00400
2027	0.00000	346.196	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VM/T/Weekday	VM/T/Saturday	VM/T/Sunday	VM/T/Year
Total all Land Uses	0.00000	0.00000	0.00000	0.00000	5,593.42	5,593.42	5,593.42	2,041,600

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Quality Restaurant	Wood Fireplaces	0	0

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Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Quality Restaurant	Gas Fireplaces	0	0
Quality Restaurant	Propane Fireplaces	0	0
Quality Restaurant	Electric Fireplaces	0	0
Quality Restaurant	No Fireplaces	0	0
Quality Restaurant	Conventional Wood Stoves	0	0
Quality Restaurant	Catalytic Wood Stoves	0	0
Quality Restaurant	Non-Catalytic Wood Stoves	0	0
Quality Restaurant	Pellet Wood Stoves	0	0
General Light Industry	Wood Fireplaces	0	0
General Light Industry	Gas Fireplaces	0	0
General Light Industry	Propane Fireplaces	0	0
General Light Industry	Electric Fireplaces	0	0
General Light Industry	No Fireplaces	0	0
General Light Industry	Conventional Wood Stoves	0	0
General Light Industry	Catalytic Wood Stoves	0	0
General Light Industry	Non-Catalytic Wood Stoves	0	0
General Light Industry	Pellet Wood Stoves	0	0
Parking Lot	Wood Fireplaces	0	0
Parking Lot	Gas Fireplaces	0	0
Parking Lot	Propane Fireplaces	0	0
Parking Lot	Electric Fireplaces	0	0

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Parking Lot	No Fireplaces	0	0
Parking Lot	Conventional Wood Stoves	0	0
Parking Lot	Catalytic Wood Stoves	0	0
Parking Lot	Non-Catalytic Wood Stoves	0	0
Parking Lot	Pellet Wood Stoves	0	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0.00000	0.00000	25,329.0	8,443.00	11,630.5

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	250.000

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)
Quality Restaurant	559,205	346.196	0.0330	0.0040	1,816,387

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Light Industry	9,195.88	346.196	0.0330	0.0040	41,275.3
Parking Lot	169,806	346.196	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Quality Restaurant	4,833,774	0.00000
General Light Industry	2,587,909	0.00000
Parking Lot	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Quality Restaurant	14.5316	0.00000
General Light Industry	1.19164	0.00000
Parking Lot	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Quality Restaurant	Household refrigerators and/or freezers	User Defined	150.000	0.00000	0.60000	0.00000	1.000000
Quality Restaurant	Other commercial A/C and heat pumps	User Defined	750.000	1.80000	4.00000	4.00000	18.0000
Quality Restaurant	Walk-in refrigerators and freezers	User Defined	150.000	0.00040	7.50000	7.50000	20.0000
General Light Industry	Other commercial A/C and heat pumps	User Defined	750.000	0.30000	4.00000	4.00000	18.0000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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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	33.0000	annual days of extreme heat
Extreme Precipitation	4.10000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	23.7900	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{1}{2}$ 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	5	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	5	1	1	4
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	76.9384
AQ-PM	31.5744
AQ-DPM	25.0653
Drinking Water	19.3456
Lead Risk Housing	4.96534
Pesticides	58.8621
Toxic Releases	8.73968
Traffic	14.0875
Effect Indicators	—
Cleanup Sites	40.8361
Groundwater	30.8816
Haz Waste Facilities/Generators	59.1396
Impaired Water Bodies	66.7367
Solid Waste	75.6701
Sensitive Population	—
Asthma	17.8215
Cardio-vascular	64.2323
Low Birth Weights	67.9240
Socioeconomic Factor Indicators	—

Indicator	Result for Project Census Tract
Education	46.2288
Housing	2.99113
Linguistic	9.46001
Poverty	11.2688
Unemployment	65.6299

7.2. Healthy Places Index Scores

The maximum Healthy 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	90.00384961
Employed	14.1537277
Median HI	89.1056076
Education	—
Bachelor's or higher	59.373797
High school enrollment	25.49724111
Preschool enrollment	10.97138458
Transportation	—
Auto Access	80.12318748
Active commuting	2.707558065
Social	—

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Indicator	Result for Project Census Tract
2-parent households	78.17271911
Voting	57.98793789
Neighborhood	—
Alcohol availability	92.19812652
Park access	4.965995124
Retail density	9.778005903
Supermarket access	7.4554087
Tree canopy	6.351854228
Housing	—
Homeownership	80.30283588
Housing habitability	95.02117285
Low-inc homeowner severe housing cost burden	92.58308739
Low-inc renter severe housing cost burden	86.06441678
Uncrowded housing	75.52932119
Health Outcomes	—
Insured adults	82.56127294
Arthritis	44.8
Asthma ER Admissions	91.5
High Blood Pressure	53.6
Cancer (excluding skin)	36.4
Asthma	46.1

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Indicator	Result for Project Census Tract
Coronary Heart Disease	77.0
Chronic Obstructive Pulmonary Disease	59.8
Diagnosed Diabetes	82.1
Life Expectancy at Birth	84.3
Cognitively Disabled	99.0
Physically Disabled	89.8
Heart Attack ER Admissions	62.1
Mental Health Not Good	56.0
Chronic Kidney Disease	79.8
Obesity	46.0
Pedestrian Injuries	19.6
Physical Health Not Good	65.0
Stroke	80.6
Health Risk Behaviors	—
Binge Drinking	16.3
Current Smoker	49.4
No Leisure Time for Physical Activity	67.1
Climate Change Exposures	—
Wildfire Risk	4.7
SLR Inundation Area	0.0
Children	27.6

Indicator	Result for Project Census Tract
Elderly	90.0
English Speaking	73.0
Foreign-born	22.5
Outdoor Workers	91.7
Climate Change Adaptive Capacity	—
Impervious Surface Cover	79.1
Traffic Density	14.5
Traffic Access	23.0
Other Indices	—
Hardship	38.7
Other Decision Support	—
2016 Voting	59.3

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	34.0000
Healthy Places Index Score for Project Location (b)	61.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Taken from site plan, consistent with previous CalEEMod run. Based on the PD, the total project facility is 19.34 acres, of which 14.5 acres are vineyards. As such, 4.84 acres have been modeled to reflect the net project site.
Construction: Construction Phases	Schedule adjusted based on previous analysis.
Construction: Off-Road Equipment	Equipment list adjusted based on previous analysis.
Construction: Trips and VMT	Worker, vendor, onsite truck trips, and vendor trip lengths based on previous analysis.
Construction: Architectural Coatings	SCAQMD Rule 1113
Operations: Architectural Coatings	SCAQMD Rule 1113

Screen		Justification
Operations: Water and Waste Water		Water usage for wine production was estimated based on the net Project site (4.84 ac) x the RCWD Duty Factor for a Winery use (1.5 ac-ft/yr/ac) x the gal/ac-ft unit conversion factor (325,851 gal/ac-ft). Based on this calculation, the water usage for wine production would be 2,365,678 gal/year and has been added to the LI CalEEMod default water usage, totaling 2,587,909 gal/year.
Operations: Refrigerants		As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Further, R-404A (the CalEEMod default) is unacceptable for new supermarket and cold storage systems as of 1 January 2019 and 2023, respectively. Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	1.98900	4.45000
Landscape Area	sq. ft	—	0.00000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Grading	Grading	Start Date	1/20/2027	12/14/2026
Grading	Grading	End Date	1/31/2027	12/15/2026
Grading	Grading	Work Days per Phase	8.00000	2.00000
Grading	Grading	Description	—	2
Building Construction	Building Construction	Start Date	2/1/2027	12/16/2026

Phase Type	Phase Name	Model Parameter	Default Value	New Value
Building Construction	Building Construction	End Date	12/20/2027	5/4/2027
Building Construction	Building Construction	Work Days per Phase	230.000	100.0000
Building Construction	Building Construction	Description	—	100
Paving	Paving	Start Date	12/21/2027	5/5/2027
Paving	Paving	End Date	1/15/2028	5/18/2027
Paving	Paving	Work Days per Phase	18.0000	10.00000
Paving	Paving	Description	—	10
Architectural Coating	Architectural Coating	Start Date	1/16/2028	5/19/2027
Architectural Coating	Architectural Coating	End Date	2/10/2028	6/1/2027
Architectural Coating	Architectural Coating	Work Days per Phase	18.0000	10.00000
Architectural Coating	Architectural Coating	Description	—	10

8.4.2. Off-Road Equipment

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Grading	Tractors/Loaders/Backhoes	Number per Day	3.00000	2.00000
Building Construction	Cranes	Hours Per Day	7.00000	8.00000
Building Construction	Forklifts	Number per Day	3.00000	1.000000
Building Construction	Tractors/Loaders/Backhoes	Number per Day	3.00000	1.000000
Building Construction	Tractors/Loaders/Backhoes	Hours Per Day	7.00000	8.00000
Building Construction	Welders	Number per Day	1.000000	3.00000
Paving	Cement and Mortar Mixers	Number per Day	2.00000	1.000000

Phase Name	Equipment Type	Model Parameter	Default Value	New Value
Paving	Cement and Mortar Mixers	Hours Per Day	6.00000	8.00000
Paving	Paving Equipment	Number per Day	2.00000	1.000000
Paving	Paving Equipment	Hours Per Day	6.00000	8.00000
Paving	Rollers	Number per Day	2.00000	1.000000
Paving	Rollers	Hours Per Day	6.00000	8.00000
Architectural Coating	Air Compressors	Hours Per Day	6.00000	8.00000

8.4.6. Trips and VMT

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Grading	Worker	One-Way Trips per Day	10.00000	20.0000
Grading	Vendor	One-Way Trips per Day	—	15.0000
Grading	Vendor	Miles per Trip	10.2000	80.0000
Grading	Hauling	Miles per Trip	20.0000	0.00000
Building Construction	Worker	One-Way Trips per Day	7.09212	20.0000
Building Construction	Vendor	One-Way Trips per Day	2.76762	15.0000
Building Construction	Vendor	Miles per Trip	10.2000	80.0000
Building Construction	Hauling	Miles per Trip	20.0000	0.00000
Paving	Worker	One-Way Trips per Day	12.5000	20.0000
Paving	Vendor	One-Way Trips per Day	—	15.0000
Paving	Vendor	Miles per Trip	10.2000	80.0000
Paving	Hauling	Miles per Trip	20.0000	0.00000

Phase Name	Trip Type	Model Parameter	Default Value	New Value
Architectural Coating	Worker	One-Way Trips per Day	1,41842	20,0000
Architectural Coating	Vendor	One-Way Trips per Day	—	15,0000
Architectural Coating	Vendor	Miles per Trip	10,2000	80,0000
Architectural Coating	Hauling	Miles per Trip	20,0000	0,00000

8.4.8. Architectural Coatings

Phase Name	Model Parameter	Units	Default Value	New Value
Architectural Coating	Non-Residential Interior VOC	g/L	100,0000	50,0000
Architectural Coating	Non-Residential Exterior VOC	g/L	100,0000	50,0000

8.5. Operations

8.5.2. Area Sources

8.5.2.3. Architectural Coatings

Model Parameter	Units	Default Value	New Value
Non-Residential Interior VOC	g/L	100,0000	50,0000
Non-Residential Exterior VOC	g/L	100,0000	50,0000

8.5.4. Water and Waste Water

Land Use	Model Parameter	Units	Default Value	New Value
General Light Industry	Indoor Water	gal/year	222,231	2,587,909

8.5.6. Refrigerants

Land Use	Equipment Type	Model Parameter	Default Value	New Value
Quality Restaurant	Household refrigerators and/or freezers	Refrigerant	R-134a	User Defined
Quality Restaurant	Household refrigerators and/or freezers	GW/P	1,430.00	150,000
Quality Restaurant	Other commercial A/C and heat pumps	Refrigerant	R-410A	User Defined
Quality Restaurant	Other commercial A/C and heat pumps	GW/P	2,088.00	750,000
Quality Restaurant	Walk-in refrigerators and freezers	Refrigerant	R-404A	User Defined
Quality Restaurant	Walk-in refrigerators and freezers	GW/P	3,922.00	150,000
General Light Industry	Other commercial A/C and heat pumps	Refrigerant	R-410A	User Defined
General Light Industry	Other commercial A/C and heat pumps	GW/P	2,088.00	750,000