APPENDIX A
Air Quality/Greenhouse Gas Emissions/Energy Data

Antelope Valley Logistics Center - West (AVLC - West) Project Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Antelope Valley Logistics Center - West (AVLC - West) Project
Construction Start Date	11/1/2023
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	5.00
Precipitation (days)	13.0
Location	34.744495131644086, -118.16282685088174
County	Los Angeles-Mojave Desert
City	Unincorporated
Air District	Antelope Valley AQMD
Air Basin	Mojave Desert
TAZ	3673
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.8

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Unrefrigerated Warehouse-No Rail	1,935	1000sqft	44.4	1,935,072	0.00	—	—	Two warehousebuildings, each 1,007,536 SF.
General Office Building	80.0	1000sqft	1.84	80,000	0.00	—	—	—
Parking Lot	2,142	Space	19.3	0.00	16,795	—	—	Islands provide a landscaped area of 2% of parking lots.
Other Asphalt Surfaces	123	1000sqft	2.82	0.00	0.00	—	—	Offsite roadway and utility improvements
Parking Lot	128	1000sqft	2.94	0.00	0.00	—	—	Estimated areas for truck loading docks (60' by 13')

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-14*	Provide Electric Vehicle Charging Infrastructure
Transportation	T-34*	Provide Bike Parking
Transportation	T-50*	Required Project Contributions to Transportation Infrastructure Improvement
Water	W-5	Design Water-Efficient Landscapes
Waste	S-1/S-2	Implement Waste Reduction Plan

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

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.69	98.1	34.8	118	0.12	1.04	16.0	16.6	0.96	3.86	4.43	—	26,987	26,987	0.73	1.93	87.4	27,663
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.1	97.8	62.8	109	0.17	2.10	16.6	18.7	1.94	4.40	6.34	—	30,785	30,785	0.96	2.05	2.38	31,421
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.15	21.1	22.4	62.6	0.08	0.57	9.73	10.3	0.54	2.38	2.92	—	16,995	16,995	0.50	1.31	24.4	17,421
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.94	3.85	4.09	11.4	0.01	0.10	1.78	1.88	0.10	0.43	0.53	—	2,814	2,814	0.08	0.22	4.04	2,884

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	8.69	8.98	34.8	118	0.12	1.04	14.0	15.0	0.96	3.40	4.36	—	26,567	26,567	0.71	1.93	82.1	27,243
2025	8.15	98.1	27.2	118	0.11	0.61	16.0	16.6	0.57	3.86	4.43	—	26,987	26,987	0.73	1.91	87.4	27,663
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.57	3.84	37.9	33.1	0.06	1.60	2.78	4.38	1.47	1.05	2.52	—	7,332	7,332	0.28	0.14	0.06	7,380
2024	11.1	97.8	62.8	109	0.17	2.10	16.6	18.7	1.94	4.40	6.34	—	30,785	30,785	0.96	2.05	2.38	31,421
2025	7.59	97.6	28.2	85.7	0.11	0.61	16.0	16.6	0.57	3.86	4.43	—	25,378	25,378	0.77	1.92	2.27	25,972
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2023	0.55	0.46	4.53	3.97	0.01	0.19	0.33	0.52	0.18	0.12	0.30	—	876	876	0.03	0.02	0.12	882
2024	5.15	21.1	22.4	62.6	0.08	0.57	9.73	10.3	0.54	2.38	2.92	—	16,995	16,995	0.50	1.31	24.4	17,421
2025	4.10	20.0	16.2	50.1	0.06	0.35	8.53	8.88	0.33	2.07	2.40	—	14,341	14,341	0.41	1.11	20.7	14,702
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.10	0.08	0.83	0.72	< 0.005	0.03	0.06	0.10	0.03	0.02	0.05	—	145	145	0.01	< 0.005	0.02	146
2024	0.94	3.85	4.09	11.4	0.01	0.10	1.78	1.88	0.10	0.43	0.53	—	2,814	2,814	0.08	0.22	4.04	2,884
2025	0.75	3.65	2.96	9.15	0.01	0.06	1.56	1.62	0.06	0.38	0.44	—	2,374	2,374	0.07	0.18	3.43	2,434

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	8.69	8.98	34.8	118	0.12	1.04	14.0	15.0	0.96	3.40	4.36	—	26,567	26,567	0.71	1.93	82.1	27,243
2025	8.15	98.1	27.2	118	0.11	0.61	16.0	16.6	0.57	3.86	4.43	—	26,987	26,987	0.73	1.91	87.4	27,663
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.57	3.84	37.9	33.1	0.06	1.60	2.78	4.38	1.47	1.05	2.52	—	7,332	7,332	0.28	0.14	0.06	7,380
2024	11.1	97.8	62.8	109	0.17	2.10	16.6	18.7	1.94	4.40	6.34	—	30,785	30,785	0.96	2.05	2.38	31,421
2025	7.59	97.6	28.2	85.7	0.11	0.61	16.0	16.6	0.57	3.86	4.43	—	25,378	25,378	0.77	1.92	2.27	25,972
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.55	0.46	4.53	3.97	0.01	0.19	0.33	0.52	0.18	0.12	0.30	—	876	876	0.03	0.02	0.12	882
2024	5.15	21.1	22.4	62.6	0.08	0.57	9.73	10.3	0.54	2.38	2.92	—	16,995	16,995	0.50	1.31	24.4	17,421
2025	4.10	20.0	16.2	50.1	0.06	0.35	8.53	8.88	0.33	2.07	2.40	—	14,341	14,341	0.41	1.11	20.7	14,702
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.10	0.08	0.83	0.72	< 0.005	0.03	0.06	0.10	0.03	0.02	0.05	—	145	145	0.01	< 0.005	0.02	146

2024	0.94	3.85	4.09	11.4	0.01	0.10	1.78	1.88	0.10	0.43	0.53	—	2,814	2,814	0.08	0.22	4.04	2,884
2025	0.75	3.65	2.96	9.15	0.01	0.06	1.56	1.62	0.06	0.38	0.44	—	2,374	2,374	0.07	0.18	3.43	2,434

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	34.2	77.5	63.8	305	0.81	1.06	20.8	21.9	1.05	4.08	5.13	1,905	91,300	93,205	195	10.1	307	101,385
Mit.	34.2	77.5	63.8	305	0.81	1.06	20.8	21.9	1.05	4.08	5.13	1,140	91,298	92,438	118	10.1	307	98,705
% Reduced	—	—	—	—	—	—	—	—	—	—	—	40%	< 0.5%	1%	39%	—	—	3%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.3	61.8	67.1	167	0.76	0.94	20.8	21.7	0.90	4.08	4.98	1,905	87,235	89,140	195	10.2	8.16	97,047
Mit.	17.3	61.8	67.1	167	0.76	0.94	20.8	21.7	0.90	4.08	4.98	1,140	87,233	88,373	118	10.2	8.16	94,368
% Reduced	—	—	—	—	—	—	—	—	—	—	—	40%	< 0.5%	1%	39%	—	—	3%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	26.5	70.3	73.6	227	0.78	1.18	20.8	22.0	1.16	4.08	5.24	1,905	88,893	90,798	195	10.2	133	98,840
Mit.	26.5	70.3	73.6	227	0.78	1.18	20.8	22.0	1.16	4.08	5.24	1,140	88,891	90,031	118	10.2	133	96,161
% Reduced	—	—	—	—	—	—	—	—	—	—	—	40%	< 0.5%	1%	39%	—	—	3%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.83	12.8	13.4	41.4	0.14	0.22	3.80	4.01	0.21	0.74	0.96	315	14,717	15,033	32.3	1.69	22.0	16,364
Mit.	4.83	12.8	13.4	41.4	0.14	0.22	3.80	4.01	0.21	0.74	0.96	189	14,717	14,906	19.6	1.69	22.0	15,921

% Reduced	—	—	—	—	—	—	—	—	—	—	—	40%	< 0.5%	1%	39%	< 0.5%	—	3%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.6	16.6	63.0	218	0.80	0.94	20.8	21.7	0.90	4.08	4.98	—	82,877	82,877	1.56	7.86	307	85,564
Area	15.6	60.9	0.74	87.6	0.01	0.12	—	0.12	0.16	—	0.16	—	360	360	0.02	< 0.005	—	362
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	4,187	4,187	0.26	0.03	—	4,202
Water	—	—	—	—	—	—	—	—	—	—	—	885	3,876	4,761	91.0	2.18	—	7,686
Waste	—	—	—	—	—	—	—	—	—	—	—	1,020	0.00	1,020	102	0.00	—	3,570
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Stationary	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	34.2	77.5	63.8	305	0.81	1.06	20.8	21.9	1.05	4.08	5.13	1,905	91,300	93,205	195	10.1	307	101,385
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	17.3	15.3	67.1	167	0.76	0.94	20.8	21.7	0.90	4.08	4.98	—	79,172	79,172	1.60	7.95	7.97	81,588
Area	—	46.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	4,187	4,187	0.26	0.03	—	4,202
Water	—	—	—	—	—	—	—	—	—	—	—	885	3,876	4,761	91.0	2.18	—	7,686
Waste	—	—	—	—	—	—	—	—	—	—	—	1,020	0.00	1,020	102	0.00	—	3,570
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Stationary	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	17.3	61.8	67.1	167	0.76	0.94	20.8	21.7	0.90	4.08	4.98	1,905	87,235	89,140	195	10.2	8.16	97,047

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	17.4	15.5	67.8	181	0.77	0.94	20.8	21.7	0.90	4.08	4.98	—	80,016	80,016	1.62	7.97	133	82,565
Area	7.68	53.6	0.36	43.2	< 0.005	0.06	—	0.06	0.08	—	0.08	—	178	178	0.01	< 0.005	—	178
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	4,187	4,187	0.26	0.03	—	4,202
Water	—	—	—	—	—	—	—	—	—	—	—	885	3,876	4,761	91.0	2.18	—	7,686
Waste	—	—	—	—	—	—	—	—	—	—	—	1,020	0.00	1,020	102	0.00	—	3,570
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Stationary	1.37	1.24	5.42	3.17	0.01	0.18	—	0.18	0.18	—	0.18	—	636	636	0.03	< 0.005	—	638
Total	26.5	70.3	73.6	227	0.78	1.18	20.8	22.0	1.16	4.08	5.24	1,905	88,893	90,798	195	10.2	133	98,840
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.18	2.82	12.4	33.0	0.14	0.17	3.80	3.97	0.16	0.74	0.91	—	13,247	13,247	0.27	1.32	22.0	13,669
Area	1.40	9.78	0.07	7.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.4	29.4	< 0.005	< 0.005	—	29.5
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	693	693	0.04	0.01	—	696
Water	—	—	—	—	—	—	—	—	—	—	—	146	642	788	15.1	0.36	—	1,273
Waste	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Stationary	0.25	0.23	0.99	0.58	< 0.005	0.03	—	0.03	0.03	—	0.03	—	105	105	< 0.005	< 0.005	—	106
Total	4.83	12.8	13.4	41.4	0.14	0.22	3.80	4.01	0.21	0.74	0.96	315	14,717	15,033	32.3	1.69	22.0	16,364

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	18.6	16.6	63.0	218	0.80	0.94	20.8	21.7	0.90	4.08	4.98	—	82,877	82,877	1.56	7.86	307	85,564

Area	15.6	60.9	0.74	87.6	0.01	0.12	—	0.12	0.16	—	0.16	—	360	360	0.02	< 0.005	—	362
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	4,187	4,187	0.26	0.03	—	4,202
Water	—	—	—	—	—	—	—	—	—	—	—	885	3,875	4,759	91.0	2.18	—	7,684
Waste	—	—	—	—	—	—	—	—	—	—	—	255	0.00	255	25.5	0.00	—	893
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Stationary	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	34.2	77.5	63.8	305	0.81	1.06	20.8	21.9	1.05	4.08	5.13	1,140	91,298	92,438	118	10.1	307	98,705
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	17.3	15.3	67.1	167	0.76	0.94	20.8	21.7	0.90	4.08	4.98	—	79,172	79,172	1.60	7.95	7.97	81,588
Area	—	46.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	4,187	4,187	0.26	0.03	—	4,202
Water	—	—	—	—	—	—	—	—	—	—	—	885	3,875	4,759	91.0	2.18	—	7,684
Waste	—	—	—	—	—	—	—	—	—	—	—	255	0.00	255	25.5	0.00	—	893
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Stationary	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	17.3	61.8	67.1	167	0.76	0.94	20.8	21.7	0.90	4.08	4.98	1,140	87,233	88,373	118	10.2	8.16	94,368
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	17.4	15.5	67.8	181	0.77	0.94	20.8	21.7	0.90	4.08	4.98	—	80,016	80,016	1.62	7.97	133	82,565
Area	7.68	53.6	0.36	43.2	< 0.005	0.06	—	0.06	0.08	—	0.08	—	178	178	0.01	< 0.005	—	178
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	4,187	4,187	0.26	0.03	—	4,202
Water	—	—	—	—	—	—	—	—	—	—	—	885	3,875	4,759	91.0	2.18	—	7,684
Waste	—	—	—	—	—	—	—	—	—	—	—	255	0.00	255	25.5	0.00	—	893
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Stationary	1.37	1.24	5.42	3.17	0.01	0.18	—	0.18	0.18	—	0.18	—	636	636	0.03	< 0.005	—	638

Total	26.5	70.3	73.6	227	0.78	1.18	20.8	22.0	1.16	4.08	5.24	1,140	88,891	90,031	118	10.2	133	96,161
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.18	2.82	12.4	33.0	0.14	0.17	3.80	3.97	0.16	0.74	0.91	—	13,247	13,247	0.27	1.32	22.0	13,669
Area	1.40	9.78	0.07	7.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.4	29.4	< 0.005	< 0.005	—	29.5
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	693	693	0.04	0.01	—	696
Water	—	—	—	—	—	—	—	—	—	—	—	146	641	788	15.1	0.36	—	1,272
Waste	—	—	—	—	—	—	—	—	—	—	—	42.2	0.00	42.2	4.22	0.00	—	148
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Stationary	0.25	0.23	0.99	0.58	< 0.005	0.03	—	0.03	0.03	—	0.03	—	105	105	< 0.005	< 0.005	—	106
Total	4.83	12.8	13.4	41.4	0.14	0.22	3.80	4.01	0.21	0.74	0.96	189	14,717	14,906	19.6	1.69	22.0	15,921

3. Construction Emissions Details

3.1. Grading (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.43	3.72	37.3	31.4	0.06	1.59	—	1.59	1.47	—	1.47	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	2.39	2.39	—	0.95	0.95	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	4.45	3.75	0.01	0.19	—	0.19	0.18	—	0.18	—	788	788	0.03	0.01	—	790
Dust From Material Movement	—	—	—	—	—	—	0.29	0.29	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.81	0.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	130	130	0.01	< 0.005	—	131
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.15	1.53	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	266	266	0.01	0.01	0.03	270
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.01	0.50	0.12	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	468	468	< 0.005	0.07	0.03	490
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.20	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	32.7	32.7	< 0.005	< 0.005	0.07	33.2

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	55.8	55.8	< 0.005	0.01	0.05	58.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.42	5.42	< 0.005	< 0.005	0.01	5.49
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.24	9.24	< 0.005	< 0.005	0.01	9.68

3.2. Grading (2023) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.43	3.72	37.3	31.4	0.06	1.59	—	1.59	1.47	—	1.47	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	2.39	2.39	—	0.95	0.95	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	4.45	3.75	0.01	0.19	—	0.19	0.18	—	0.18	—	788	788	0.03	0.01	—	790

Dust From Material Movement	—	—	—	—	—	—	0.29	0.29	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.81	0.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	130	130	0.01	< 0.005	—	131
Dust From Material Movement	—	—	—	—	—	—	0.05	0.05	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.15	1.53	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	266	266	0.01	0.01	0.03	270
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.01	0.50	0.12	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	468	468	< 0.005	0.07	0.03	490
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.20	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	32.7	32.7	< 0.005	< 0.005	0.07	33.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	55.8	55.8	< 0.005	0.01	0.05	58.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.42	5.42	< 0.005	< 0.005	0.01	5.49
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.24	9.24	< 0.005	< 0.005	0.01	9.68

3.3. Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	2.39	2.39	—	0.95	0.95	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	2.08	1.83	< 0.005	0.09	—	0.09	0.08	—	0.08	—	400	400	0.02	< 0.005	—	402
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.33	< 0.005	0.02	—	0.02	0.01	—	0.01	—	66.3	66.3	< 0.005	< 0.005	—	66.5

Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.13	1.44	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	262	262	0.01	0.01	0.03	265
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.01	0.49	0.11	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	460	460	< 0.005	0.07	0.03	481
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.03	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.9	27.9	< 0.005	< 0.005	0.03	29.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.71	2.71	< 0.005	< 0.005	0.01	2.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.62	4.62	< 0.005	< 0.005	< 0.005	4.84

3.4. Grading (2024) - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.19	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	2.39	2.39	—	0.95	0.95	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	2.08	1.83	< 0.005	0.09	—	0.09	0.08	—	0.08	—	400	400	0.02	< 0.005	—	402
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.38	0.33	< 0.005	0.02	—	0.02	0.01	—	0.01	—	66.3	66.3	< 0.005	< 0.005	—	66.5
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.13	1.44	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	262	262	0.01	0.01	0.03	265
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.01	0.49	0.11	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	460	460	< 0.005	0.07	0.03	481
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	16.3	16.3	< 0.005	< 0.005	0.03	16.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	27.9	27.9	< 0.005	< 0.005	0.03	29.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.71	2.71	< 0.005	< 0.005	0.01	2.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.62	4.62	< 0.005	< 0.005	< 0.005	4.84

3.5. Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	7.51	8.78	0.02	0.33	—	0.33	0.31	—	0.31	—	1,605	1,605	0.07	0.01	—	1,610
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.37	1.60	< 0.005	0.06	—	0.06	0.06	—	0.06	—	266	266	0.01	< 0.005	—	267
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.76	5.00	5.15	88.8	0.00	0.00	11.0	11.0	0.00	2.57	2.57	—	12,359	12,359	0.53	0.42	52.3	12,548
Vendor	0.38	0.35	10.6	4.12	0.08	0.15	2.83	2.97	0.15	0.78	0.93	—	10,078	10,078	0.01	1.48	28.9	10,547
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.97	4.52	5.54	60.3	0.00	0.00	11.0	11.0	0.00	2.57	2.57	—	10,979	10,979	0.56	0.42	1.36	11,119
Vendor	0.35	0.32	11.2	4.24	0.08	0.15	2.83	2.97	0.15	0.78	0.93	—	10,088	10,088	0.01	1.48	0.75	10,529
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	3.34	3.05	3.95	45.1	0.00	0.00	7.27	7.27	0.00	1.70	1.70	—	7,561	7,561	0.38	0.28	15.2	7,668
Vendor	0.24	0.22	7.49	2.80	0.05	0.10	1.88	1.98	0.10	0.52	0.62	—	6,748	6,748	0.01	0.99	8.32	7,051
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.56	0.72	8.24	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,252	1,252	0.06	0.05	2.51	1,270
Vendor	0.04	0.04	1.37	0.51	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,117	1,117	< 0.005	0.16	1.38	1,167
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	7.51	8.78	0.02	0.33	—	0.33	0.31	—	0.31	—	1,605	1,605	0.07	0.01	—	1,610

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.37	1.60	< 0.005	0.06	—	0.06	0.06	—	0.06	—	266	266	0.01	< 0.005	—	267
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.76	5.00	5.15	88.8	0.00	0.00	11.0	11.0	0.00	2.57	2.57	—	12,359	12,359	0.53	0.42	52.3	12,548
Vendor	0.38	0.35	10.6	4.12	0.08	0.15	2.83	2.97	0.15	0.78	0.93	—	10,078	10,078	0.01	1.48	28.9	10,547
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.97	4.52	5.54	60.3	0.00	0.00	11.0	11.0	0.00	2.57	2.57	—	10,979	10,979	0.56	0.42	1.36	11,119
Vendor	0.35	0.32	11.2	4.24	0.08	0.15	2.83	2.97	0.15	0.78	0.93	—	10,088	10,088	0.01	1.48	0.75	10,529
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.34	3.05	3.95	45.1	0.00	0.00	7.27	7.27	0.00	1.70	1.70	—	7,561	7,561	0.38	0.28	15.2	7,668
Vendor	0.24	0.22	7.49	2.80	0.05	0.10	1.88	1.98	0.10	0.52	0.62	—	6,748	6,748	0.01	0.99	8.32	7,051
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.56	0.72	8.24	0.00	0.00	1.33	1.33	0.00	0.31	0.31	—	1,252	1,252	0.06	0.05	2.51	1,270
Vendor	0.04	0.04	1.37	0.51	0.01	0.02	0.34	0.36	0.02	0.09	0.11	—	1,117	1,117	< 0.005	0.16	1.38	1,167
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.21	7.76	0.01	0.26	—	0.26	0.24	—	0.24	—	1,426	1,426	0.06	0.01	—	1,431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.13	1.42	< 0.005	0.05	—	0.05	0.04	—	0.04	—	236	236	0.01	< 0.005	—	237
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.23	4.81	4.77	83.2	0.00	0.00	11.0	11.0	0.00	2.57	2.57	—	12,124	12,124	0.51	0.42	48.8	12,309
Vendor	0.37	0.35	10.1	3.87	0.08	0.15	2.83	2.97	0.15	0.78	0.93	—	9,907	9,907	0.01	1.40	28.8	10,352
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.79	4.35	5.17	56.3	0.00	0.00	11.0	11.0	0.00	2.57	2.57	—	10,775	10,775	0.55	0.42	1.27	10,914
Vendor	0.35	0.32	10.7	3.99	0.08	0.15	2.83	2.97	0.15	0.78	0.93	—	9,917	9,917	0.01	1.40	0.75	10,336
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.88	2.62	3.29	37.5	0.00	0.00	6.46	6.46	0.00	1.51	1.51	—	6,595	6,595	0.32	0.25	12.6	6,689
Vendor	0.21	0.20	6.33	2.35	0.05	0.09	1.67	1.76	0.09	0.46	0.55	—	5,896	5,896	0.01	0.83	7.39	6,153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.48	0.60	6.85	0.00	0.00	1.18	1.18	0.00	0.28	0.28	—	1,092	1,092	0.05	0.04	2.08	1,107
Vendor	0.04	0.04	1.16	0.43	0.01	0.02	0.30	0.32	0.02	0.08	0.10	—	976	976	< 0.005	0.14	1.22	1,019
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2025) - Mitigated

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

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

Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.21	7.76	0.01	0.26	—	0.26	0.24	—	0.24	—	1,426	1,426	0.06	0.01	—	1,431
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.13	1.42	< 0.005	0.05	—	0.05	0.04	—	0.04	—	236	236	0.01	< 0.005	—	237
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.23	4.81	4.77	83.2	0.00	0.00	11.0	11.0	0.00	2.57	2.57	—	12,124	12,124	0.51	0.42	48.8	12,309
Vendor	0.37	0.35	10.1	3.87	0.08	0.15	2.83	2.97	0.15	0.78	0.93	—	9,907	9,907	0.01	1.40	28.8	10,352
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.79	4.35	5.17	56.3	0.00	0.00	11.0	11.0	0.00	2.57	2.57	—	10,775	10,775	0.55	0.42	1.27	10,914

Vendor	0.35	0.32	10.7	3.99	0.08	0.15	2.83	2.97	0.15	0.78	0.93	—	9,917	9,917	0.01	1.40	0.75	10,336
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.88	2.62	3.29	37.5	0.00	0.00	6.46	6.46	0.00	1.51	1.51	—	6,595	6,595	0.32	0.25	12.6	6,689
Vendor	0.21	0.20	6.33	2.35	0.05	0.09	1.67	1.76	0.09	0.46	0.55	—	5,896	5,896	0.01	0.83	7.39	6,153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.48	0.60	6.85	0.00	0.00	1.18	1.18	0.00	0.28	0.28	—	1,092	1,092	0.05	0.04	2.08	1,107
Vendor	0.04	0.04	1.16	0.43	0.01	0.02	0.30	0.32	0.02	0.08	0.10	—	976	976	< 0.005	0.14	1.22	1,019
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Paving (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.81	10.0	0.01	0.39	—	0.39	0.36	—	0.36	—	1,512	1,512	0.06	0.01	—	1,517
Paving	—	1.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.12	0.10	0.94	1.21	< 0.005	0.05	—	0.05	0.04	—	0.04	—	182	182	0.01	< 0.005	—	183
Paving	—	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	30.2	30.2	< 0.005	< 0.005	—	30.3
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.59	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	221	221	0.01	0.01	0.94	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.4	24.4	< 0.005	< 0.005	0.05	24.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.03	4.03	< 0.005	< 0.005	0.01	4.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Paving (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.81	10.0	0.01	0.39	—	0.39	0.36	—	0.36	—	1,512	1,512	0.06	0.01	—	1,517
Paving	—	1.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.94	1.21	< 0.005	0.05	—	0.05	0.04	—	0.04	—	182	182	0.01	< 0.005	—	183
Paving	—	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	30.2	30.2	< 0.005	< 0.005	—	30.3
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.09	0.09	1.59	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	221	221	0.01	0.01	0.94	225
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.4	24.4	< 0.005	< 0.005	0.05	24.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.03	4.03	< 0.005	< 0.005	0.01	4.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Architectural Coating (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	90.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.16	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Architectural Coatings	—	16.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.98	3.98	< 0.005	< 0.005	—	3.99
Architectural Coatings	—	2.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.99	0.90	1.11	12.1	0.00	0.00	2.19	2.19	0.00	0.51	0.51	—	2,196	2,196	0.11	0.08	0.27	2,224
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.16	0.21	2.43	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	407	407	0.02	0.01	0.82	413
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.04	0.44	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.3	67.3	< 0.005	< 0.005	0.14	68.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Architectural Coating (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	0.91	1.15	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	90.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.16	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Architectural Coatings	—	16.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.98	3.98	< 0.005	< 0.005	—	3.99
Architectural Coatings	—	2.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.99	0.90	1.11	12.1	0.00	0.00	2.19	2.19	0.00	0.51	0.51	—	2,196	2,196	0.11	0.08	0.27	2,224
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.18	0.16	0.21	2.43	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	407	407	0.02	0.01	0.82	413
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.04	0.44	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.3	67.3	< 0.005	< 0.005	0.14	68.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	90.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	90.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.16	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Architectural Coatings	—	16.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.98	3.98	< 0.005	< 0.005	—	3.99

Architect Coatings	—	2.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	0.96	0.95	16.6	0.00	0.00	2.19	2.19	0.00	0.51	0.51	—	2,425	2,425	0.10	0.08	9.77	2,462
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.87	1.03	11.3	0.00	0.00	2.19	2.19	0.00	0.51	0.51	—	2,155	2,155	0.11	0.08	0.25	2,183
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.20	2.27	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	399	399	0.02	0.01	0.76	405
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.04	0.41	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	66.1	66.1	< 0.005	< 0.005	0.13	67.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2025) - Mitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	90.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	90.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.16	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Architectural Coatings	—	16.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.98	3.98	< 0.005	< 0.005	—	3.99

Architectural Coatings	—	2.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	0.96	0.95	16.6	0.00	0.00	2.19	2.19	0.00	0.51	0.51	—	2,425	2,425	0.10	0.08	9.77	2,462
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.96	0.87	1.03	11.3	0.00	0.00	2.19	2.19	0.00	0.51	0.51	—	2,155	2,155	0.11	0.08	0.25	2,183
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.17	0.16	0.20	2.27	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	399	399	0.02	0.01	0.76	405
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.04	0.41	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	66.1	66.1	< 0.005	< 0.005	0.13	67.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	13.9	12.4	58.1	167	0.70	0.87	17.3	18.2	0.83	3.46	4.29	—	72,351	72,351	1.18	7.43	263	74,858
General Office Building	4.68	4.23	4.88	50.7	0.10	0.07	3.49	3.57	0.07	0.62	0.69	—	10,526	10,526	0.38	0.42	44.1	10,706
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	18.6	16.6	63.0	218	0.80	0.94	20.8	21.7	0.90	4.08	4.98	—	82,877	82,877	1.56	7.86	307	85,564
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	13.0	11.5	61.8	129	0.67	0.87	17.3	18.2	0.83	3.46	4.29	—	69,573	69,573	1.21	7.50	6.82	71,845
General Office Building	4.23	3.78	5.33	38.2	0.09	0.07	3.49	3.57	0.07	0.62	0.69	—	9,599	9,599	0.39	0.45	1.14	9,743

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	17.3	15.3	67.1	167	0.76	0.94	20.8	21.7	0.90	4.08	4.98	—	79,172	79,172	1.60	7.95	7.97	81,588
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	2.40	2.13	11.4	25.4	0.12	0.16	3.16	3.32	0.15	0.63	0.78	—	11,623	11,623	0.20	1.25	18.8	12,018
General Office Building	0.78	0.70	1.00	7.58	0.02	0.01	0.64	0.65	0.01	0.11	0.13	—	1,625	1,625	0.07	0.07	3.15	1,652
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	3.18	2.82	12.4	33.0	0.14	0.17	3.80	3.97	0.16	0.74	0.91	—	13,247	13,247	0.27	1.32	22.0	13,669

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	13.9	12.4	58.1	167	0.70	0.87	17.3	18.2	0.83	3.46	4.29	—	72,351	72,351	1.18	7.43	263	74,858

General Office Building	4.68	4.23	4.88	50.7	0.10	0.07	3.49	3.57	0.07	0.62	0.69	—	10,526	10,526	0.38	0.42	44.1	10,706
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	18.6	16.6	63.0	218	0.80	0.94	20.8	21.7	0.90	4.08	4.98	—	82,877	82,877	1.56	7.86	307	85,564
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	13.0	11.5	61.8	129	0.67	0.87	17.3	18.2	0.83	3.46	4.29	—	69,573	69,573	1.21	7.50	6.82	71,845
General Office Building	4.23	3.78	5.33	38.2	0.09	0.07	3.49	3.57	0.07	0.62	0.69	—	9,599	9,599	0.39	0.45	1.14	9,743
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	17.3	15.3	67.1	167	0.76	0.94	20.8	21.7	0.90	4.08	4.98	—	79,172	79,172	1.60	7.95	7.97	81,588
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	2.40	2.13	11.4	25.4	0.12	0.16	3.16	3.32	0.15	0.63	0.78	—	11,623	11,623	0.20	1.25	18.8	12,018
General Office Building	0.78	0.70	1.00	7.58	0.02	0.01	0.64	0.65	0.01	0.11	0.13	—	1,625	1,625	0.07	0.07	3.15	1,652

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	3.18	2.82	12.4	33.0	0.14	0.17	3.80	3.97	0.16	0.74	0.91	—	13,247	13,247	0.27	1.32	22.0	13,669

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	873	873	0.05	0.01	—	876
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,078	2,078	0.13	0.02	—	2,086
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,236	1,236	0.08	0.01	—	1,240
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,187	4,187	0.26	0.03	—	4,202
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	—	873	873	0.05	0.01	—	876
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,078	2,078	0.13	0.02	—	2,086
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,236	1,236	0.08	0.01	—	1,240
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,187	4,187	0.26	0.03	—	4,202
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	145	145	0.01	< 0.005	—	145
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	344	344	0.02	< 0.005	—	345
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	205	205	0.01	< 0.005	—	205
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	693	693	0.04	0.01	—	696

4.2.2. Electricity Emissions By Land Use - Mitigated

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

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

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	873	873	0.05	0.01	—	876
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,078	2,078	0.13	0.02	—	2,086
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,236	1,236	0.08	0.01	—	1,240
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,187	4,187	0.26	0.03	—	4,202
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	873	873	0.05	0.01	—	876
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2,078	2,078	0.13	0.02	—	2,086
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,236	1,236	0.08	0.01	—	1,240
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,187	4,187	0.26	0.03	—	4,202
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	145	145	0.01	< 0.005	—	145

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	344	344	0.02	< 0.005	—	345
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	205	205	0.01	< 0.005	—	205
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	693	693	0.04	0.01	—	696

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	43.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	3.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	15.6	14.4	0.74	87.6	0.01	0.12	—	0.12	0.16	—	0.16	—	360	360	0.02	< 0.005	—	362
Total	15.6	60.9	0.74	87.6	0.01	0.12	—	0.12	0.16	—	0.16	—	360	360	0.02	< 0.005	—	362
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consum Products	—	43.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	3.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	46.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.40	1.29	0.07	7.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.4	29.4	< 0.005	< 0.005	—	29.5
Total	1.40	9.78	0.07	7.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.4	29.4	< 0.005	< 0.005	—	29.5

4.3.1. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	43.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	3.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	15.6	14.4	0.74	87.6	0.01	0.12	—	0.12	0.16	—	0.16	—	360	360	0.02	< 0.005	—	362
Total	15.6	60.9	0.74	87.6	0.01	0.12	—	0.12	0.16	—	0.16	—	360	360	0.02	< 0.005	—	362
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	43.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	3.28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	46.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.89	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.40	1.29	0.07	7.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.4	29.4	< 0.005	< 0.005	—	29.5
Total	1.40	9.78	0.07	7.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.4	29.4	< 0.005	< 0.005	—	29.5

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	857	3,755	4,613	88.2	2.12	—	7,448
General Office Building	—	—	—	—	—	—	—	—	—	—	—	27.2	119	147	2.80	0.07	—	237
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	1.68	1.68	< 0.005	< 0.005	—	1.69
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	885	3,876	4,761	91.0	2.18	—	7,686
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	857	3,755	4,613	88.2	2.12	—	7,448
General Office Building	—	—	—	—	—	—	—	—	—	—	—	27.2	119	147	2.80	0.07	—	237
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	1.68	1.68	< 0.005	< 0.005	—	1.69
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	885	3,876	4,761	91.0	2.18	—	7,686
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	142	622	764	14.6	0.35	—	1,233
General Office Building	—	—	—	—	—	—	—	—	—	—	—	4.51	19.8	24.3	0.46	0.01	—	39.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.28	0.28	< 0.005	< 0.005	—	0.28
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	146	642	788	15.1	0.36	—	1,273

4.4.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	857	3,755	4,613	88.2	2.12	—	7,448
General Office Building	—	—	—	—	—	—	—	—	—	—	—	27.2	119	147	2.80	0.07	—	237
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	-0.17	-0.17	> -0.005	> -0.005	—	-0.17
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	885	3,875	4,759	91.0	2.18	—	7,684

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	857	3,755	4,613	88.2	2.12	—	7,448
General Office Building	—	—	—	—	—	—	—	—	—	—	—	27.2	119	147	2.80	0.07	—	237
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	-0.17	-0.17	> -0.005	> -0.005	—	-0.17
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	885	3,875	4,759	91.0	2.18	—	7,684
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	142	622	764	14.6	0.35	—	1,233
General Office Building	—	—	—	—	—	—	—	—	—	—	—	4.51	19.8	24.3	0.46	0.01	—	39.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	-0.03	-0.03	> -0.005	> -0.005	—	-0.03
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	146	641	788	15.1	0.36	—	1,272

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	980	0.00	980	98.0	0.00	—	3,430
General Office Building	—	—	—	—	—	—	—	—	—	—	—	40.1	0.00	40.1	4.01	0.00	—	140
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,020	0.00	1,020	102	0.00	—	3,570
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	980	0.00	980	98.0	0.00	—	3,430
General Office Building	—	—	—	—	—	—	—	—	—	—	—	40.1	0.00	40.1	4.01	0.00	—	140
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,020	0.00	1,020	102	0.00	—	3,570
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	162	0.00	162	16.2	0.00	—	568
General Office Building	—	—	—	—	—	—	—	—	—	—	—	6.64	0.00	6.64	0.66	0.00	—	23.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	169	0.00	169	16.9	0.00	—	591

4.5.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	245	0.00	245	24.5	0.00	—	857
General Office Building	—	—	—	—	—	—	—	—	—	—	—	10.0	0.00	10.0	1.00	0.00	—	35.1

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	255	0.00	255	25.5	0.00	—	893
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	245	0.00	245	24.5	0.00	—	857
General Office Building	—	—	—	—	—	—	—	—	—	—	—	10.0	0.00	10.0	1.00	0.00	—	35.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	255	0.00	255	25.5	0.00	—	893
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	40.6	0.00	40.6	4.06	0.00	—	142
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.66	0.00	1.66	0.17	0.00	—	5.81
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	42.2	0.00	42.2	4.22	0.00	—	148

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.19	0.19
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fire Pump	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fire Pump	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.23	0.21	0.94	0.54	< 0.005	0.03	—	0.03	0.03	—	0.03	—	98.0	98.0	< 0.005	< 0.005	—	98.4
Fire Pump	0.02	0.02	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.31	7.31	< 0.005	< 0.005	—	7.34
Total	0.25	0.23	0.99	0.58	< 0.005	0.03	—	0.03	0.03	—	0.03	—	105	105	< 0.005	< 0.005	—	106

4.8.2. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fire Pump	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fire Pump	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.23	0.21	0.94	0.54	< 0.005	0.03	—	0.03	0.03	—	0.03	—	98.0	98.0	< 0.005	< 0.005	—	98.4
Fire Pump	0.02	0.02	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.31	7.31	< 0.005	< 0.005	—	7.34
Total	0.25	0.23	0.99	0.58	< 0.005	0.03	—	0.03	0.03	—	0.03	—	105	105	< 0.005	< 0.005	—	106

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Grading	Grading	11/1/2023	1/31/2024	5.00	66.0	—
Building Construction	Building Construction	1/25/2024	10/31/2025	5.00	462	—
Paving	Paving	6/1/2024	8/1/2024	5.00	44.0	—
Architectural Coating	Architectural Coating	10/1/2024	4/2/2025	5.00	132	—

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	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29

Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	6.82	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	838	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	330	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	168	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	6.82	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	838	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	330	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	168	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

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	3,022,608	1,007,536	65,445

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Grading	3,600	—	198	0.00	—
Paving	0.00	0.00	0.00	0.00	25.0

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%
General Office Building	0.00	0%
Parking Lot	19.3	100%
Other Asphalt Surfaces	2.82	100%
Parking Lot	2.94	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005
2025	0.00	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	2,738	2,738	2,738	999,370	52,971	52,971	52,971	19,334,320
General Office Building	650	650	650	237,250	12,575	12,575	12,575	4,589,959
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
Parking Lot	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	2,738	2,738	2,738	999,370	52,971	52,971	52,971	19,334,320
General Office Building	650	650	650	237,250	12,575	12,575	12,575	4,589,959
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
Parking Lot	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	3,022,608	1,007,536	65,445

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value

Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	599,086	532	0.0330	0.0040	0.00
General Office Building	1,425,623	532	0.0330	0.0040	0.00
Parking Lot	735,621	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00
Parking Lot	112,128	532	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	599,086	532	0.0330	0.0040	0.00
General Office Building	1,425,623	532	0.0330	0.0040	0.00
Parking Lot	735,621	532	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00
Parking Lot	112,128	532	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	447,485,400	0.00
General Office Building	14,218,700	0.00
Parking Lot	0.00	271,815
Other Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	447,485,400	0.00
General Office Building	14,218,700	0.00
Parking Lot	0.00	122,339
Other Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	-149,476

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	1818.97	0.00
General Office Building	74.40	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	454.74	0.00
General Office Building	18.60	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

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
Emergency Generator	Diesel	4.00	0.00	24.0	2,682	0.73
Fire Pump	Diesel	2.00	0.00	24.0	400	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	35.5	annual days of extreme heat
Extreme Precipitation	1.35	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

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

6.2. Initial Climate Risk Scores

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

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A

Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores 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	88.7
AQ-PM	5.81
AQ-DPM	4.06
Drinking Water	85.4
Lead Risk Housing	21.0
Pesticides	38.2
Toxic Releases	69.3
Traffic	8.11
Effect Indicators	—

CleanUp Sites	78.1
Groundwater	2.11
Haz Waste Facilities/Generators	88.6
Impaired Water Bodies	0.00
Solid Waste	75.7
Sensitive Population	—
Asthma	74.6
Cardio-vascular	53.5
Low Birth Weights	13.2
Socioeconomic Factor Indicators	—
Education	42.3
Housing	38.1
Linguistic	32.0
Poverty	61.8
Unemployment	26.9

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	67.56063134
Employed	13.29398178
Median HI	45.83600667
Education	—
Bachelor's or higher	38.31643783
High school enrollment	100
Preschool enrollment	48.45374054

Transportation	—
Auto Access	66.18760426
Active commuting	14.50019248
Social	—
2-parent households	65.622995
Voting	65.36635442
Neighborhood	—
Alcohol availability	88.70781471
Park access	23.43128449
Retail density	4.080585141
Supermarket access	30.32208392
Tree canopy	85.67945592
Housing	—
Homeownership	75.37533684
Housing habitability	76.05543436
Low-inc homeowner severe housing cost burden	38.73989478
Low-inc renter severe housing cost burden	63.54420634
Uncrowded housing	83.16437829
Health Outcomes	—
Insured adults	61.15744899
Arthritis	73.2
Asthma ER Admissions	41.1
High Blood Pressure	77.3
Cancer (excluding skin)	55.0
Asthma	43.1
Coronary Heart Disease	72.1
Chronic Obstructive Pulmonary Disease	62.6

Diagnosed Diabetes	68.9
Life Expectancy at Birth	4.1
Cognitively Disabled	94.6
Physically Disabled	49.3
Heart Attack ER Admissions	35.9
Mental Health Not Good	46.4
Chronic Kidney Disease	79.8
Obesity	42.9
Pedestrian Injuries	90.4
Physical Health Not Good	57.2
Stroke	70.4
Health Risk Behaviors	—
Binge Drinking	11.9
Current Smoker	43.1
No Leisure Time for Physical Activity	66.6
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	88.7
Elderly	25.8
English Speaking	89.3
Foreign-born	8.1
Outdoor Workers	46.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	93.4
Traffic Density	4.7
Traffic Access	23.0

Other Indices	—
Hardship	48.4
Other Decision Support	—
2016 Voting	51.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	46.0
Healthy Places Index Score for Project Location (b)	49.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

Measure Title	Co-Benefits Achieved
IC-2: Adopt Design Standards	Improved Air Quality, Social Equity

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Per construction questionnaire provided by project applicant

Construction: Architectural Coatings	—
Operations: Fleet Mix	Per VMT Study dated April 12, 2023
Operations: Architectural Coatings	Project would comply with AVAQMD Rule 1113
Operations: Energy Use	No natural gas use per operation questionnaire provided by project applicant
Operations: Vehicle Data	Per VMT Study dated April 12, 2023
Operations: Emergency Generators and Fire Pumps	Per operational questionnaire, two (2) 2,000kW diesel generators per building and one (1) 2,000gpm Firewater Pump per building for ESFR fire suppression system. Assuming 24 hours per year of operation for regular maintenance and/or emergency purposes.

APPENDIX F

2045 Climate Action Plan Consistency Review Checklist

Purpose

The *2045 Los Angeles County Climate Action Plan* (2045 CAP) helps the County of Los Angeles (County) comply with various local, regional, state, and federal regulations to significantly reduce greenhouse gas (GHG) emissions. The County is obligated under the California Environmental Quality Act (CEQA), Assembly Bill (AB) 32 (the California Global Warming Solutions Act of 2006), Senate Bill (SB) 375 (the Sustainable Communities and Climate Protection Act of 2008), and various California executive orders to do its part to reduce GHG emissions in the state. Generally, statewide targets aim to reduce emissions to 1990 levels by 2020 (AB 32), to 40 percent below 1990 levels by 2030 (SB 32), and to 85 percent (anthropogenic) below 1990 levels by 2045 (AB 1279). CEQA Guidelines Section 15183.5 allows public agencies to analyze and mitigate GHG emissions as part of a larger plan for the reduction of GHGs. The 2045 CAP itself, the 2045 CAP Consistency Review Checklist (this document), and the certified Final Program Environmental Impact Report (PEIR) (State Clearinghouse #2021120568) for the 2045 CAP together meet all requirements of Section 15183.5(b) of the CEQA Guidelines. Accordingly, the 2045 CAP represents the County's qualified climate action plan (CAP) in compliance with CEQA.

The 2045 CAP includes 10 strategies, 25 measures, and almost 90 actions that shall be implemented by the County to achieve its proportional share of state GHG emissions reductions for the target year 2030. These strategies, measures, and actions are organized into four sectors: (1) transportation; (2) stationary energy; (3) waste (including wastewater); and (4) agriculture, forestry, and other land use (AFOLU). The 2045 CAP does not include any strategies, measures, or actions to reduce emissions from the fifth sector of the County's GHG inventory, industrial processes and product use (IPPU), given data and modeling limitations for this sector.

The 2045 Climate Action Plan Consistency Review Checklist (referred to herein as the *2045 CAP Checklist*) applies to **discretionary projects that are subject to and not exempt from CEQA, including both new projects and expansion of existing land uses, and including agency and public projects** (referred to herein as *projects*). The purpose of the 2045 CAP Checklist is to:

(1) Implement relevant GHG emissions reduction actions from the 2045 CAP for projects.

(2) Provide a streamlined review process for analyzing the impacts of GHG emissions resulting from proposed projects that are subject to CEQA.

The 2045 CAP Checklist may be updated to incorporate new GHG emissions reduction techniques or to comply with later amendments to the 2045 CAP or local, state, or federal law without the need for an amendment to the *Los Angeles County General Plan 2035* (General Plan).

Appendix F Organization

This appendix is organized into the following four sections:

Section F.1: CEQA Compliance and Background Information

This section describes the rationale for the checklist and explains how it provides the mechanism for projects that wish to streamline environmental review of their GHG impacts using the 2045 CAP's PEIR pursuant to CEQA Guidelines Section 15183.5(b).

Section F.2: Checklist Instructions

This section includes the submittal requirements for applicants, the applicability of the 2045 CAP Checklist, and instructions for completing the 2045 CAP Checklist.

Section F.3: 2045 CAP Checklist

This section includes the 2045 CAP Checklist itself along with a table for reporting and documenting alternative project emissions reduction measures and additional GHG reductions.

Section F.4: Offsite GHG Reduction Program Framework

This section includes a framework for the County's forthcoming Offsite GHG Reduction Program. This program will be available for project applicants to use as an alternative GHG reduction measure to the required 2045 CAP Checklist items, by allowing applicants to fund or implement local projects that reduce GHG emissions within unincorporated Los Angeles County.

F.1 CEQA Compliance and Background Information

The 2045 CAP's GHG reductions will occur through a combination of County initiatives, as represented by various plans and policies that will provide reductions from both new developments and the expansion of existing developments. The 2045 CAP Checklist specifically applies to proposed discretionary projects that require environmental review pursuant to CEQA. Therefore, the 2045 CAP Checklist is a critical implementation tool in the County's overall strategy to reduce GHG emissions. Implementing applicable 2045 CAP measures and actions in new developments and expanding existing development projects will help the County achieve incremental reductions toward its 2030, 2035, and 2045 targets.

The growth projections outlined in the General Plan's Land Use Element were used in the 2045 CAP to estimate unincorporated Los Angeles County's future emissions. Therefore, projects can use the 2045 CAP Checklist if they are consistent with the Land Use Element. This consistency allows a project to streamline its analysis of GHG impacts by using the existing programmatic environmental review contained in the certified Final PEIR for the 2045 CAP. In doing so, pursuant to CEQA Guidelines Sections 15064(h)(3), 15130(d), and 15183(b), a project's incremental contribution to climate change resulting from the project's GHG emissions may be determined not to be cumulatively considerable. This approach is consistent with the recommendations of the California Air Resources Board (CARB) in the *2022 Scoping Plan for Achieving Carbon Neutrality* (2022 Scoping Plan) that "CEQA-qualified CAPs" can allow eligible projects to streamline their determination of significance for GHG emissions.[1] It is also consistent with the Association of Environmental Professionals Climate Change Committee's best practices for tiering from qualified GHG reduction plans that demonstrate substantial progress toward meeting the next milestone statewide planning reduction target (i.e., a 40 percent reduction below 1990 levels by 2030 as set forth by SB 32).[2]

This 2045 CAP Checklist provides a mechanism for projects to specifically identify "those requirements specified in the plan that apply to the project, and, if those requirements are not otherwise binding and enforceable, incorporate those requirements as mitigation measures applicable to the project" per Section 15183.5(b)(2) of the CEQA Guidelines.

GHG emissions associated with the construction of projects, including demolition and decommissioning activities, are generally orders of magnitude lower than operational GHG emissions. This is primarily because construction emissions are typically short in duration compared to the project's overall lifetime. Typically, construction GHG emissions are amortized over 30 years and added to a project's 30-year lifetime emissions total; after this amortization, construction GHG emissions usually represent a small fraction of a project's total annual emissions. It is generally difficult to enforce low-emission construction equipment because of the limited availability of zero-emission and near-zero-emission construction equipment, along with contracting requirements. In addition, the 2045 CAP quantifies GHG emissions from off-road construction activity at the unincorporated Los Angeles County level; these emissions are accounted for in the 2045 CAP's ability to achieve the 2030, 2035, and 2045 targets.

The 2045 CAP Checklist also requires the use of electric and zero-emission construction equipment during project construction to the maximum extent feasible, to align with Measure T9. Therefore, construction emissions can be assessed qualitatively as part of related CEQA GHG emissions analysis. However, some projects may have long construction periods or entail substantial excavation and grading that could result in construction-related GHG emissions that may be considered significant. Thus, the County retains the discretion on a project-by-project basis to consider whether a project's construction-related GHG emissions could be cumulatively considerable and require a more detailed quantitative CEQA analysis and mitigation of GHG emissions.

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1 California Air Resources Board. 2022. *2022 Scoping Plan for Achieving Carbon Neutrality.* Appendix D, "Local Actions." November 16, 2022. Available: https://ww2.arb.ca.gov/sites/default/files/2022-11/2022-sp-appendix-d-local-actions.pdf. Accessed in January 2023.

2 Association of Environmental Professionals. 2016. *Final White Paper Beyond 2020 and Newhall: A Field Guide to New CEQA Greenhouse Gas Thresholds and Climate Action Plan Targets for California.* October 18, 2016. Available: https://califaep.org/docs/AEP-2016_Final_White_Paper.pdf.

Projects that are not consistent with the 2045 CAP must prepare a comprehensive project-specific analysis of GHG emissions. The analysis must quantify existing and projected GHG emissions and incorporate the measures in this 2045 CAP Checklist to the extent feasible, as defined by CEQA[3] and subject to the County's discretion. Cumulative GHG impacts may be significant for any project that is not consistent with the 2045 CAP per the CEQA Guidelines Appendix G Environmental Checklist.[4] The 2045 CAP Checklist may be updated to incorporate new GHG emissions reduction techniques or to comply with later amendments to the 2045 CAP or to local, state, or federal law.

2045 CAP Appendix B, *Emissions Forecasting and Reduction Methods*, provides the quantitative basis for the 2045 CAP consistency requirements. This document demonstrates how, based on substantial evidence,[5] implementing these requirements on a project-by-project basis will collectively achieve the 2045 CAP's target emissions level for projects by 2030 and 2035, as required by CEQA Guidelines Section 15183.5(b)(1)(D).

Alignment with the 2022 Scoping Plan

Appendix D of CARB's 2022 Scoping Plan provides guidance for local governments and lead agencies for how local climate action planning can support the State of California's climate goals.[6] CARB reiterates that a CAP that has been adopted through the CEQA review process and meets the criteria specified in CEQA Guidelines Section 15183.5(b) for a "plan for the reduction of greenhouse gas emissions"—such as the 2045 CAP—is a "CEQA-qualified CAP" that can allow eligible projects to streamline their determination of significance for GHG emissions.

Streamlining CEQA GHG analysis for future projects by demonstrating consistency with a CAP involves evaluating whether a project demonstrates consistency with "all applicable GHG reduction measures identified in the CAP." CARB notes that such consistency can be determined by using CAP compliance checklists, which can be "included as part of the proposed project's CEQA analysis documenting the project's consistency with the CEQA-qualified CAP."

The 2045 CAP Checklist is therefore consistent with CARB's guidance in the 2022 Scoping Plan as a valid way for discretionary projects to streamline their analysis of GHG impacts.

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[3] CEQA Section 21061.1 defines *feasible* as "capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, social, and technological factors."

[4] CEQA Guidelines Appendix G Environmental Checklist Section VII. Greenhouse Gas Emissions states that a project would have a significant adverse environmental impact if it would "b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs." The 2045 CAP represents such an applicable plan adopted to reduce GHG emissions.

[5] CEQA Guidelines Section 15384 defines *substantial evidence* as "enough relevant information and reasonable inferences from this information that a fair argument can be made to support a conclusion, even though other conclusions might also be reached. Whether a fair argument can be made that the project may have a significant effect on the environment is to be determined by examining the whole record before the lead agency. Argument, speculation, unsubstantiated opinion or narrative, evidence which is clearly erroneous or inaccurate, or evidence of social or economic impacts which do not contribute to or are not caused by physical impacts on the environment does not constitute substantial evidence. Substantial evidence shall include facts, reasonable assumptions predicated upon facts, and expert opinion supported by facts."

[6] California Air Resources Board. 2022. *2022 Scoping Plan for Achieving Carbon Neutrality.* Appendix D, "Local Actions." November 16, 2022. Available: https://ww2.arb.ca.gov/sites/default/files/2022-11/2022-sp-appendix-d-local-actions.pdf. Accessed in January 2023.

Recommended Project Attributes for Residential and Mixed-Use Projects

Appendix D of the 2022 Scoping Plan includes a list of "key project attributes" for residential and mixed-use projects. CARB states that if a project incorporates these attributes, the project would "accommodate growth in a manner consistent with State GHG reduction and equity prioritization goals" and would be "***clearly*** consistent with the State's climate goals." Further, such projects would be "consistent with the Scoping Plan or other plans, policies, or regulations adopted for the purposes of reducing GHGs" and that therefore, "the GHG emissions associated with such projects may result in a less-than-significant GHG impact under CEQA."

Alternative Project Emissions Reduction Measures and Offsite GHG Reduction Programs

As discussed below under *Step 4: Identify Alternative Project Emissions Reduction Measures and Additional GHG Reductions*, project applicants may employ alternative GHG emissions reduction measures to serve as replacements for any 2045 CAP consistency requirements not feasible to implement the project. Such replacement measures must meet specific criteria and be supported by substantial evidence that the measure would achieve the same or greater level of GHG emissions reductions as the 2045 CAP requirement that it replaces.

CARB supports the idea of "off-site GHG mitigation" in Appendix D of the 2022 Scoping Plan for projects that have maxed out their on-site GHG reduction actions: "If implementation of all feasible on-site GHG reduction measures is insufficient to reduce a project's impact to a less-than-significant level, the State recommends that the lead agency next explore options to fund or implement ***local***, off-site direct GHG reduction strategies."[7]

As discussed further below, Action ES5.4 of the 2045 CAP would establish an Offsite GHG Reduction Program for new development to use as a GHG reduction or mitigation pathway for 2045 CAP compliance and to fund programs for reducing GHG emissions in the built environment.

CARB cautions that such off-site measures must directly "offset" a project's GHG emissions and must not be unrelated off-site measures that would occur independently of the proposed project. Lead agencies and project applicants must provide substantial evidence that a specific off-site mitigation measure is not otherwise required by law or regulation and would not have occurred "***but for*** the requirement to mitigate a project's GHG impacts." CARB goes on to state the following:

> There has been concern that GHG emission reductions from off-site GHG mitigation measures… may double count GHG emission reductions from California's Cap-and-Trade program. However, off-site mitigation measures, such as EV [electric vehicle] charging or building efficiency retrofits, are viable options for mitigation under CEQA and would not be double counted, provided they are not otherwise required by law or regulation and would not have happened but for the mitigation requirements of the project. If the mitigation would have been implemented or required through another statute, regulation, existing local program, or requirement other than the project it is mitigating, then the project being mitigated may not also claim credit for the reductions.

[7] California Air Resources Board. 2022. *2022 Scoping Plan for Achieving Carbon Neutrality.* Appendix D, "Local Actions." November 16, 2022. Available: https://ww2.arb.ca.gov/sites/default/files/2022-11/2022-sp-appendix-d-local-actions.pdf. Accessed in January 2023.

F.2 Checklist Instructions

2045 CAP Checklist Submittal Requirements

The 2045 CAP Checklist shall accompany the project application for all projects and plans proposed within unincorporated Los Angeles County's land use authority that are subject to CEQA, whether supported by private or government (local or state) funding. The 2045 CAP Checklist is designed to assist the project applicant in identifying the GHG emissions reduction actions and other applicable sustainability-focused requirements specific to a proposed project or plan. However, it may be necessary to supplement the completed 2045 CAP Checklist with supporting materials, calculations, or certifications to demonstrate compliance with the 2045 CAP actions and other applicable sustainability-focused requirements. The 2045 CAP Checklist shall be included in the respective project or plan conditions of approval.

2045 CAP Checklist Applicability

The 2045 CAP Checklist is required for discretionary projects that are subject to CEQA; the 2045 CAP Checklist does not apply to projects requiring a General Plan amendment. Ministerial projects and projects that otherwise are exempt from CEQA are deemed to be consistent with the 2045 CAP, and no further review is necessary, with the exception of the residential infill categorical exemption (CEQA Guidelines Section 15195), for which projects are required to demonstrate consistency with the 2045 CAP through the 2045 CAP Checklist. All projects must demonstrate consistency with the General Plan, the existing land use designation of the current Land Use Element, and the land use designations of the 2021–2029 Housing Element. **If a project is not consistent with the land use designation of the Land Use Element or the 2021–2029 Housing Element, then the 2045 CAP Checklist may not be used for CEQA streamlining.**

2045 CAP Checklist Instructions

Project applicants shall complete the following **four steps** to demonstrate conformance with the 2045 CAP for a proposed project.

Step 1. Demonstrate consistency with the Los Angeles County General Plan 2035 (**Table F-1**).

Step 2. Determine whether the project screens out of using the 2045 CAP Checklist (Table F-1).

Step 3. Demonstrate consistency with the 2045 CAP GHG emissions reduction measures and actions (Table F-1).

Step 4. Identify alternative project emissions reduction measures and additional GHG reductions (**Table F-2**), as needed.

All projects must complete ***Step 1:*** *Demonstrate Consistency with the Los Angeles County General Plan 2035* and ***Step 2:*** *Determine Whether the Project Screens Out of Using the 2045 CAP Checklist*. Projects that meet the screening criteria are finished using the checklist. Projects that do not meet the screening criteria must complete ***Step 3:*** *Demonstrate Consistency with the 2045 CAP GHG Emissions Reduction Measures and Actions*. Projects that cannot meet all CAP consistency requirements shown in Table F-1 must also complete ***Step 4:*** *Identify Alternative Project Emissions Reduction Measures and Additional GHG Reductions* (Table F-2) to describe

alternative GHG emissions reduction measures that serve as replacements to any 2045 CAP consistency requirements not met by the project.

The following process, illustrated in **Figure F-1**, explains how to demonstrate a plan's or project's consistency with the 2045 CAP's GHG emissions reduction measures and actions, and thereby streamline the plan's or project's GHG impacts analysis by using the certified Final PEIR for the 2045 CAP.

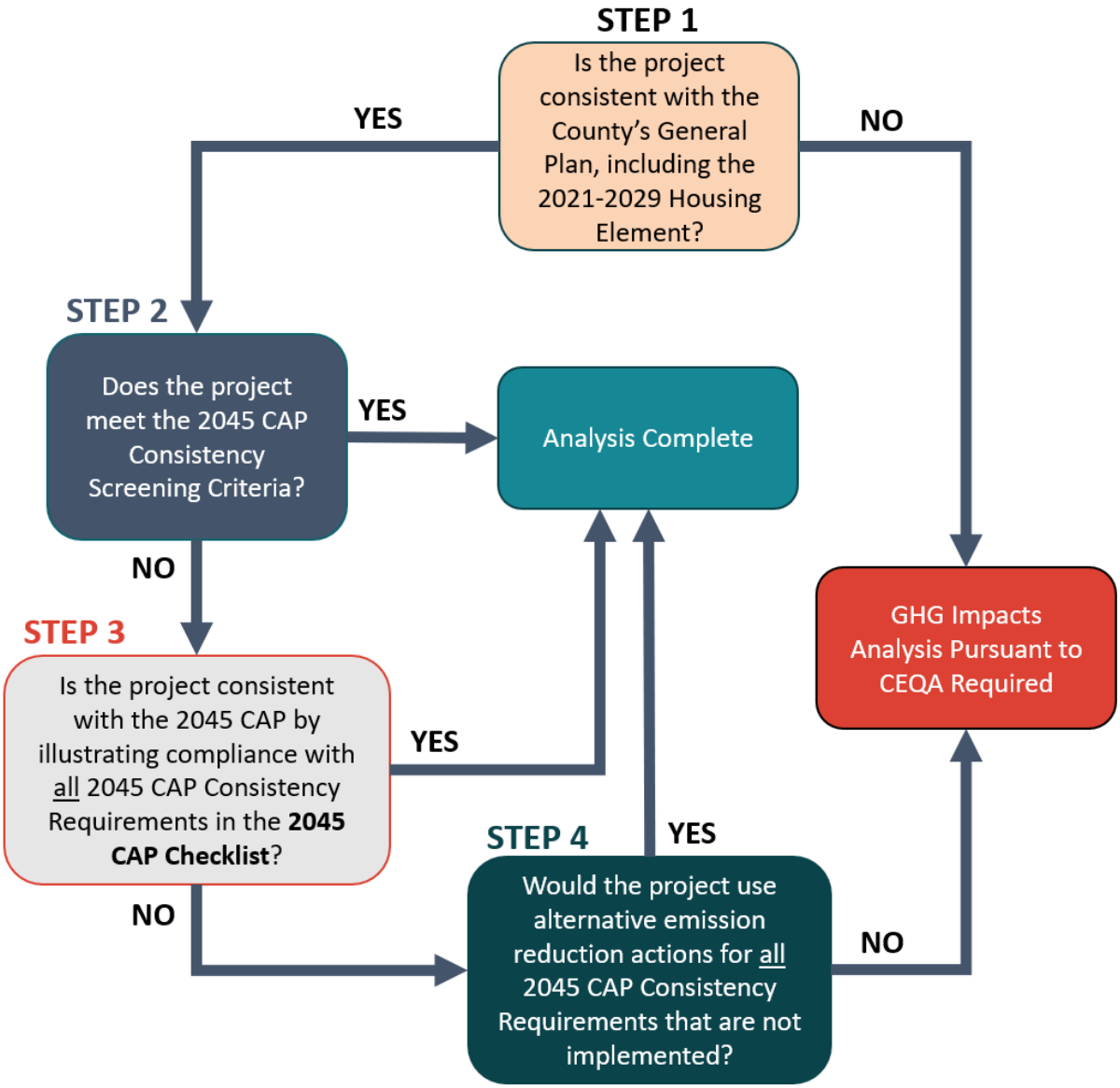

Figure F-1: Determining Consistency with the 2045 CAP

Step 1: Demonstrate Consistency with the Los Angeles County General Plan 2035

All projects must demonstrate consistency with the General Plan, the existing land use designation of the current Land Use Element, and the 2021–2029 Housing Element. **If a project is not consistent with the General Plan, the land use designation of the Land Use Element, or the 2021–2029 Housing Element, then the 2045 CAP Checklist may not be used for CEQA streamlining.** Complete the *General Plan Consistency* section of **Table F-1,** *General Plan and 2045 CAP Greenhouse Gas Emissions Reduction Measure and Action Consistency Checklist*, below.

The options for determining General Plan consistency (included in Table F-1) are as follows:

- Is the proposed project consistent with the existing land use designation of the Land Use Element and the 2021–2029 Housing Element? If yes, move to **Step 2** below. If no, the proposed project may not streamline its GHG impacts analysis by using the 2045 CAP's EIR, and instead must prepare a comprehensive project-specific analysis of GHG emissions and impacts pursuant to CEQA and incorporate the measures in this 2045 CAP Checklist to the extent feasible as defined by CEQA.[8]

Step 2: Determine Whether the Project Screens Out of Using the 2045 CAP Checklist

Certain projects may screen out of completing all or portions of the 2045 CAP Checklist if they meet certain criteria. These criteria are designed to ensure high efficiency and low GHG emissions and describe projects that would generally be consistent with the 2045 CAP's GHG emissions reduction measures and actions for projects.

2045 CAP Checklist Screening Criteria: Projects may skip the *2045 CAP Measure and Action Consistency Requirements* section of Table F-1 below if they meet the following criteria:

- If the project would achieve **net-zero GHG emissions** compared to existing on-site development at the project site, provided that existing on-site development is similar to the proposed project and that GHG emissions from existing on-site development are not substantially larger than emissions from the proposed project, the project is considered consistent with the 2045 CAP and the analysis is complete.

Net-zero GHG emissions means that the difference in GHG emissions between existing conditions and the emissions from construction and operation of the proposed project is zero. For example, if existing on-site uses at the project site are 3,000 metric tons of carbon dioxide equivalent ($MTCO_2e$) per year, and if the project emits fewer than 3,000 $MTCO_2e$ per year through both construction and operations, it would achieve net-zero GHG emissions. Existing conditions constitute the project's CEQA baseline for GHG impacts.

The net-zero criterion can only be applied if existing on-site development is similar to the proposed project. This means that the existing land use type and the project's land use type(s) are reasonably similar, subject to the County's discretion. For example, a mixed-use project

[8] CEQA Guidelines Section 21061.1 defines *feasible* as "capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, social, and technological factors."

replacing an office land use would be considered similar. However, a mixed-use project replacing an industrial facility or a distribution center would not be considered similar.

Additionally, this criterion can only be applied if emissions from existing on-site development are not substantially larger than emissions from the proposed project, subject to the County's discretion. For example, a retail project with low emissions replacing a large office building with high emissions could not use the net-zero criterion, producing as many emissions as the large office building; such a project would have to produce lower emissions than the large office building to be consistent with the 2045 CAP. Although the 2045 CAP intends to replace high-emitting land use types (such as oil and gas facilities) with low-emissions land use types (such as mixed-use transit-oriented development) to reduce emissions overall, it does not intend to make such replacements without reducing emissions compared to existing uses, which a net-zero emissions criterion would not necessarily facilitate.

To demonstrate that the project achieves net-zero GHG emissions compared to existing on-site development at the project site, that the existing land use type and the project's land use type(s) are reasonably similar, and that emissions from existing on-site development are not substantially larger than emissions from the proposed project, the applicant must submit a comprehensive quantitative project-specific analysis of all GHG emissions from construction and operations, consistent with all CEQA guidelines and standard practice for modeling GHG emissions for projects. If the project meets these criteria, the project does not need to complete **Table F-1** below and the analysis is complete.

Transportation Screening Criteria: Projects may skip checklist items #3, #4, #5, #11, and #12 of the *2045 CAP Measure and Action Consistency Requirements* section of Table F-1 below if they meet the following criteria (based on the 2020 Los Angeles County Department of Public Works Transportation Impact Analysis Guidelines):[9] The project is not an employment center

1. For development projects:[10]
    a. If the project does not have a retail component, and the project generates a net increase of less than 110 daily vehicle trips,[11] then it screens out.
    b. If the project has a retail component, and it contains retail uses that do not exceed 50,000 square feet of gross floor area,[12] then it screens out.
    c. If the project has a residential component, and 100 percent of the units, excluding manager's units, are set aside for lower income households,[13] then it screens out.

[9] Los Angeles County Department of Public Works. 2020. *Transportation Impact Analysis Guidelines*. July 2020. Available: https://dpw.lacounty.gov/traffic/trafficreportmsg.cfm. Accessed February 2022.
[10] The Transportation Impact Analysis (TIA) Guidelines provide a list of development project types, which include residential, office, manufacturing, institutional, and retail project types. For a complete list, see page 11 of the TIA Guidelines.
[11] As referenced in: Governor's Office of Planning and Research. 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA.* December 2018.
[12] Governor's Office of Planning and Research. 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA.* December 2018.
[13] Governor's Office of Planning and Research. 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA.* December 2018.

d. If the project is located within a one-half mile radius of a major transit stop or an existing stop along a high-quality transit corridor[14] and meets all of the following criteria, then it screens out:

   i. Has a Floor Area Ratio greater than 0.75. [15]

   ii. Provides less parking than required by the Los Angeles County Code.[16]

   iii. Is consistent with the Southern California Associated of Governments' Regional Transportation Plan/Sustainable Communities Strategy.[17]

   iv. Does not replace residential units set aside for lower income households with a smaller number of market-rate residential units.

2. For transportation projects:[18]

   a. If the project would not include the addition of through traffic lanes on existing or new highways, including general-purpose lanes, high-occupancy vehicle lanes, peak-period lanes, auxiliary lanes, and lanes through grade-separated interchanges (except managed lanes, transit lanes, and auxiliary lanes of less than 1 mile in length designed to improve roadway safety),[19] then it screens out.

   b. If the project would reduce roadway capacity and VMT, [20] then it screens out.

If the project meets the above criteria, it may skip certain transportation portions of the 2045 CAP Checklist (see Table F-1 for details).

Step 3: Demonstrate Consistency with the 2045 CAP GHG Emissions Reduction Measures and Actions

Table F-1 identifies the 2045 CAP's consistency requirements for projects. Projects must demonstrate consistency with the 2045 CAP requirements listed in Table F-1 or document why the requirements are not applicable or are infeasible.[21] The corresponding 2045 CAP measures and actions are indicated in the table to provide additional context. The full text of the 2045 CAP measures and actions is provided in the 2045 CAP (see Chapter 3 and Appendix B).

All applicants shall complete the following steps for the *Transportation, Building Energy and Water, Waste*, and *Agriculture, Forestry, and Other Land Use (AFOLU)* sections of **Table F-1** below (unless the project meets the transportation screening criteria identified in Step 1 above, in

[14] Governor's Office of Planning and Research. 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December 2018.
[15] Governor's Office of Planning and Research. 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December 2018.
[16] Governor's Office of Planning and Research. 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December 2018.
[17] Governor's Office of Planning and Research. 2018. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December 2018.
[18] The TIA Guidelines describe transportation projects as projects that would increase vehicular/roadway capacity.
[19] As noted above, the TIA Guidelines describe transportation projects as projects that would increase vehicular/roadway capacity.
[20] A list of transportation projects that are not likely to lead to a substantial or measurable increase in vehicle miles traveled are included in the County's TIA Guidelines, pp. 17–19.
[21] Please note that the 2045 CAP requirements are not mitigation measures as defined by CEQA.

which case the project may skip completion of certain sections of the *Transportation* section of Table F-1):

1. Review the project consistency options described in the column titled "2045 CAP Consistency Requirement."
2. Use the check boxes in the column titled "Project Consistency" to indicate whether the "Project Complies," the requirement is "Not Applicable," or the "Project Does Not Comply and Alternative Measure Proposed."
3. Provide a qualitative analysis of the proposed project's compliance with the 2045 CAP requirements in the column titled "Description of Project Measure(s)/Documentation of Compliance." This will be the basis for the CEQA analysis to demonstrate compliance with the 2045 CAP, and by extension, with SB 32. The qualitative analysis should provide:
    a. A description of which consistency requirements are included as part of the proposed project; or
    b. A description of why the consistency requirement is not applicable to the proposed project; or
    c. A description of why the consistency requirements are infeasible. If applicants select "Project Does Not Comply" or "Alternative Measure Proposed," they must complete Table F-2 to document what alternative project measures will be implemented to achieve a similar level of GHG reduction and how those GHG emissions reduction estimates were calculated.
4. Provide specific project design criteria and/or reporting metrics to support the proposed project's compliance with each 2045 CAP requirement. Specific information is requested for each respective item in the 2045 CAP Checklist.

Regarding item #2 above, the project applicant can only select "Not Applicable" if the requirement is not relevant to the project. The project applicant should only select "Project Does Not Comply and Alternative Measure Proposed" if it is infeasible, as defined by the CEQA Guidelines, for the project to comply with the checklist requirement. Sufficient documentation of such infeasibility must be supplied to the County to support such a determination. The County retains ultimate discretion for determining the feasibility of the checklist requirement for the proposed project. Further, if "Project Does Not Comply and Alternative Measure Proposed" is selected for a specific checklist requirement, then the project applicant **must** identify an alternative measure to achieve the same or greater level of GHG emissions reduction as the 2045 CAP Checklist item with which the project does not comply.

If the project applicant cannot fully complete these requirements, then the project would not be consistent with the 2045 CAP and the 2045 CAP Checklist may not be used for CEQA streamlining of GHG emissions impacts. See the *Projects Not Consistent with the 2045 CAP* section for additional instructions.

The 2045 CAP consistency requirements are listed as either “Tier 1” or “Tier 2.” These two levels are defined as follows:

Tier 1: Required for all discretionary projects to demonstrate consistency with the 2045 CAP.

Tier 2: Encouraged for all discretionary projects to the maximum extent feasible. Although these measures are not required, projects are strongly encouraged to implement as many of these as feasible.

In general, Tier 1 requirements were quantified in the 2045 CAP for GHG emissions reductions needed to achieve the 2030, 2035, and 2045 emissions reduction targets. Because these measures were quantified, they would be required for the 2045 CAP to achieve its full emissions reduction potential. Some Tier 1 measures were not quantified, but they either are required through other code or ordinance (such as compliance with the Transportation Demand Management Ordinance) or are deemed essential for the overall success of the 2045 CAP. Tier 2 requirements were identified as supporting actions but are not deemed essential for the overall success of the 2045 CAP.

The 2045 CAP Checklist includes the following Tier 1 and Tier 2 requirements, organized by strategy area:

Energy Supply

1. Tier 1: Sunset Oil and Gas Operations
2. Tier 1: Utilize 100% Zero-Carbon Electricity

Transportation

The

3. Meets Transportation Screening Criteria
4. Tier 1: Increase Density Near High-Quality Transit Areas
5. Tier 1: Incorporate Bicycle and Pedestrian Infrastructure
6. Tier 1: Comply with the County Transportation Demand Management (TDM) Ordinance
7. Tier 1: Comply with the County’s Transportation Impact Guidelines
8. Tier 1: Incorporate Electric Vehicle Charging Infrastructure
9. Tier 1: Decarbonize Trucks
10. Tier 1: Incorporate Zero-Emission Technologies for Off-Road Vehicles & Equipment
11. Tier 1: Electrify County Fleet Vehicles (for municipal projects only)
12. Tier 2: Achieve a High Jobs/Housing Balance
13. Tier 2: Encourage Transit, Active Transportation, and Alternative Modes of Transportation
14. Tier 2: Implement Parking Limitations

Building Energy and Water

15. Tier 1: Electrify Existing Buildings
16. Tier 1: Electrify New Buildings
17. Tier 1: Increase Building Energy Efficiency

18. Tier 1: Implement Water Use Efficiency and Water Conservation
19. Tier 1: Comply with All Current County Building Energy Codes and Ordinances
20. Tier 2: Reduce the Life-Cycle Carbon Intensity of Building Materials and Phase Out the Use of High-Global Warming Potential (GWP) Refrigerants
21. Tier 2: Use Energy Storage and Microgrids
22. Tier 2: Use Recycled Water and Graywater for Non-potable Uses and Include Rainfall Capture

Waste

23. Tier 1: Compost Organic Materials
24. Tier 1: Recycle Recyclable Materials
25. Tier 2: Incorporate On-site Composting, Mulching, and/or Anaerobic Digestion

Agriculture, Forestry, and Other Land Use

26. Tier 1: Incorporate Tree Plantings and Expand Urban Forest Cover
27. Tier 2: Conserve Forests, Woodlands, Shrublands, Grasslands, Desert, and other Carbon-Sequestering Wildlands and Working Lands
28. Tier 2: Implement Regenerative Agricultural Practices

2045 CAP Appendix B, *Emissions Forecasting and Reduction Methods*, provides the quantitative basis for the 2045 CAP consistency requirements.

Step 4: Identify Alternative Project Emissions Reduction Measures and Additional GHG Reductions

Projects that propose alternative GHG emissions reduction measures to those identified in Table F-1 or propose to include additional GHG emissions reduction measures beyond those described in Table F-1 shall provide a summary explanation of the proposed measures and demonstrate GHG reductions achievable though the proposed measures.[22] Documentation for these alternative or additional project measures shall be documented in **Table F-2,** *Applicant Proposed Alternative Project Emissions Reduction Measures*. Any applicants who select "Project Does Not Comply and Alternative Measure Proposed" in Table F-1 must complete the following steps for Table F-2.

1. In the column titled "Description of Alternative Measure," provide a qualitative description of what measure will be implemented, why it is proposed, and how it will reduce GHG emissions.
2. In the column titled "Description of GHG Reduction Estimate," demonstrate how the alternative project measure would achieve the same or greater level of GHG emissions reductions as the 2045 CAP requirement that it replaces. Documentation and calculation files must be attached separately.

An example alternative project measure may be installing additional EV charging infrastructure beyond what is required by the California Green Building Standards Code (CALGreen Code),

[22] Please note that the alternative GHG emissions reduction measures are not mitigation measures as defined by CEQA.

County ordinance, or requirements in the forthcoming Zero Emission Vehicle Master Plan, to support zero-emission vehicles beyond what is specified in the 2045 CAP's performance objectives for Measure T6 (Increase ZEV Market Share and Reduce Gasoline and Diesel Fuel Sales). The applicant would then demonstrate how this would achieve the same or greater level of GHG emissions reductions as the checklist requirement for which it serves as an alternative.

Carbon offset credits are not permitted to be used as alternative project emissions reduction measures.

Action ES5.4 of the 2045 CAP would establish an Offsite GHG Reduction Program for new development to use as a GHG reduction or mitigation pathway for 2045 CAP compliance and to fund programs for reducing GHG emissions in the built environment. This program would allow new development to fund decarbonization programs for existing development to accelerate 2045 CAP measures and actions or go beyond 2045 CAP measures and actions. The off-site program would be used in tandem with the 2045 CAP Consistency Checklist for projects that propose alternative GHG emissions reduction measures to those identified in Table F-1, or that propose to include additional GHG emissions reduction measures beyond those described in Table F-1. Once the Offsite GHG Reduction Program has been instituted by the County, project applicants will be able to use the program to complete Table F-2. See Section F.4 for additional detail.

Developing a local voluntary off-site reduction program and associated GHG mitigation market will help the County capture mitigation dollars and provide local benefits that are not realized by the purchase of distant, out-of-state carbon offset credits, while providing greater transparency and enforceability.[23]

Projects Not Consistent with the 2045 CAP

In some cases, a project may not be able to demonstrate consistency with the 2045 CAP. This may be because the project is inconsistent with the existing land use designation of the Land Use Element and the 2021–2029 Housing Element as described in Step 1. Or a project may not be able to feasibly incorporate all consistency requirements as identified in Table F-1 and discussed in Step 3; such a project may further be unable to adequately identify alternative project measures to achieve a similar level of GHG reduction to infeasible consistency requirements.

As discussed above, a comprehensive project-specific analysis of GHG emissions must be prepared for any project that is found to be not consistent with the 2045 CAP through completion of Table F-1 and (if applicable) Table F-2. Such an analysis shall quantify existing and projected GHG emissions and evaluate potential impacts pursuant to the CEQA Guidelines (including the CEQA Guidelines Appendix G Environmental Checklist). The project shall incorporate all the measures in the 2045 CAP Checklist to the extent feasible. Projects that do not implement all feasible applicable checklist measures or alternative project emissions reduction measures may have significant GHG impacts because they could conflict with an applicable GHG reduction plan per CEQA Guidelines Appendix G, Section VII.

[23] California Air Resources Board. 2022. *2022 Scoping Plan for Achieving Carbon Neutrality.* Appendix D, "Local Actions." November 16, 2022. Available: https://ww2.arb.ca.gov/sites/default/files/2022-11/2022-sp-appendix-d-local-actions.pdf. Accessed in January 2023.

F.3 2045 CAP Checklist

Table F-1, *General Plan and 2045 CAP Greenhouse Gas Emissions Reduction Measure and Action Consistency Checklist,* allows the applicant to demonstrate compliance with the 2045 CAP's GHG emissions reduction measures and actions. This table addresses ***Step 1:*** *Demonstrate Consistency with the Los Angeles County General Plan 2035*; ***Step 2:*** *Determine Whether the Project Screens Out of Using the 2045 CAP Checklist*; and ***Step 3:*** *Demonstrate Consistency with the 2045 CAP GHG Emissions Reduction Measures and Actions*. This checklist must be completed for all applicable projects.

Table F-2, *2045 CAP Greenhouse Gas Emissions Reduction Alternative Measures*, allows the project applicant to document alternative GHG emissions reduction measures used to demonstrate compliance with the Table F-1 2045 CAP consistency requirements. This table addresses ***Step 4:*** *Identify Alternative Project Emissions Reduction Measures and Additional GHG Reductions*. This checklist is required only for projects that propose to use alternative GHG emissions reduction measures.

Table F-1: General Plan and 2045 CAP Greenhouse Gas Emissions Reduction Measure and Action Consistency Checklist

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
Step 1: Demonstrate Consistency with the Los Angeles County General Plan 2035		
1. The Project is Consistent with the General Plan Land Use Element and Housing Element The growth projections included in the General Plan and the 2021–2029 Housing Element were used in the 2045 CAP to estimate unincorporated Los Angeles County GHG emissions over time. Therefore, projects must be consistent with the General Plan to be consistent with the 2045 CAP. To determine a project's consistency with the General Plan, please answer the following question and provide an explanation with supporting documentation. **Is the proposed project consistent with the existing land use designation of the Land Use Element and the 2021 Housing Element Update?** If "Yes," proceed to **Step 2: 2045 CAP Consistency Screening Criteria** below. If "No," the proposed project may not streamline its GHG impacts analysis by using the 2045 CAP's EIR and must prepare a comprehensive project-specific analysis of GHG emissions and impacts pursuant to CEQA and incorporate the measures in this 2045 CAP Checklist to the extent feasible.	*Describe how the project is consistent with the General Plan Land Use Element and Housing Element. Provide additional supporting documentation as an attachment as needed.* *OR,* *Explain why the project is not consistent with the General Plan Land Use Element and Housing Element, and whether the project would include a General Plan amendment.* The project is consistent with land use designation and zoning for the site.	☑ Yes ☐ No
Step 2: Determine Whether the Project Screens Out of Using the 2045 CAP Checklist		
Certain projects may screen out of the 2045 CAP Checklist if they meet the following screening criteria. **Does the project achieve zero GHG emissions compared to the existing on-site development at the project site?** The project must conduct a comprehensive project-specific analysis of all GHG emissions, consistent with all CEQA guidelines and standard practice for modeling GHG emissions for projects, to demonstrate that the project achieves net zero. If "Yes," the project is consistent with the 2045 CAP and no additional analysis is needed (no project-specific GHG impact analysis would be required). If "No," proceed to **Step 3: 2045 CAP Measure and Action Consistency Requirements** below.	*If "Yes," attach to this checklist the estimated project emissions for both existing conditions and the proposed project for comparison. Compare the existing conditions to the maximum buildout of the proposed project. If the proposed project is determined to result in an equivalent or less GHG-intensive project when compared to existing conditions, proceed to the "2045 CAP Consistency" section of this checklist. Provide supporting calculation files and documentation for this analysis.* *OR,* *Explain why the project would not achieve net zero emissions compared to existing conditions. Provide supporting calculation files and documentation for this analysis.* The project site is current vacant and does not generate existing emissions.	☐ Project Complies ☑ Not Applicable ☐ Project Does Not Comply

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
Step 3: Demonstrate Consistency with the 2045 CAP GHG Emissions Reduction Measures and Actions		
Energy Supply		
1. TIER 1: Sunset Oil and Gas Operations For any project involving the decommissioning, replacement, retrofit, or redesign of infrastructure or facilities associated with the oil and gas industry, including energy generation (i.e., cogen), the project must: A) Comply with the Oil Well Ordinance (Title 22). B) Reduce fossil fuel–based emissions by at least 80% compared to existing conditions. C) If the project site includes existing active and abandoned oil wells, examine all wells for fugitive emissions of methane. Reduce such existing emissions by a minimum of 80%. D) To reduce any residual fossil fuel–based emissions generated by the project, incorporate carbon removal technologies including direct air capture and carbon and sequestration, as feasible. **Supports 2045 CAP Measures (and Actions):** ES1 (ES1.1, ES1.2, ES1.3)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed as a replacement strategy (provide additional documentation as described below).* *IN ADDITION, provide* documentation of the project's ability to reduce fossil fuel–based emissions, including fugitive methane emissions. Provide the number of oil and gas operations/wells closed. Provide documentation of any carbon removal technologies incorporated at the project site. The project does not involve any development associated with the oil and gas industry.	☐ Project Complies ☑ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
2. TIER 1: Utilize 100% Zero-Carbon Electricity The project must utilize 100% zero-carbon electricity on-site. The project must comply with one of the following options: A) Install on-site renewable energy systems or participate in a community solar program to supply 100% of the project's estimated energy demand to the maximum extent feasible. B) Participate in Southern California Edison at the Green Rate level (i.e., 100% carbon-free electricity) for all electricity accounts associated with the project until SCE provides 100% carbon-free electricity for all accounts by default. C) Participate in the Clean Power Alliance at the Clean Rate level (i.e., 100% carbon-free electricity) for all electricity accounts associated with the project until CPA provides 100% carbon-free electricity for all accounts by default. D) A combination of #1, #2, and #3 above such that 100% of the project's electricity consumption is supplied by zero-GHG emission sources of power generation, whether by utilities or by on-site electricity generation or both. **Supports 2045 CAP Measures (and Actions):** ES2 (ES2.1, ES2.2), ES3 (ES3.1, ES3.2, ES3.3, ES3.4, ES3.5, ES3.6)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below)* *IN ADDITION, provide the project's anticipated electricity demand, the project's participation and opt-out rates for SCE's Green Rate and CPA's Clean Rate electricity rate options used by tenants; and the total kW of solar PV panels installed at the project site.* The project would install solar panels onsite to partially meet electricity demand (Option A). The remaining demand would be met by participating in SCE Green Rate level plan for all electricity accounts (Option B).	☑ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
Transportation		
3. Meets Transportation Screening Criteria For development projects, does the project: A) have no retail component and generate a net increase of less than 110 daily vehicle trips? If "Yes," skip checklist items #3, #4, #5, #11, and #12 below. Please complete items #7 through #11 below. If "No," proceed to item (B) below. For development projects, does the project: B) have a retail component and contains retail uses that do not exceed 50,000 square feet of gross floor area? If "Yes," skip checklist items #3, #4, #5, #11, and #12 below. Please complete items #7 through #11 below. If the project contains retail and is mixed use, proceed to item (C) below. If "No," proceed to item (C) below. For development projects, does the project: C) have a residential component and 100% of the units, excluding manager's units, are set aside for lower income households? If "Yes," skip checklist items #3, #4, #5, #11, and #12 below. Please complete items #7 through #11 below. If the project contains retail and is mixed use, proceed to item (D) below. If "No," proceed to item (D) below. For development projects: D) Is the project located within a one-half mile radius of a major transit stop or an existing stop along a high-quality transit corridor and: i. has a Floor Area Ratio greater than 0.75? ii. provides less parking than required by the Los Angeles County Code? iii. is consistent with the Southern California Association of Governments (SCAG) Regional Transportation Plan / Sustainable Communities Strategy (RTP/SCS)? iv. does not replace residential units set aside for lower income households with a smaller number of market-rate residential units? If "Yes," skip checklist items #3, #4, #5, #11, and #12 below. Please complete items #7 through #11 below. If "No," proceed to checklist item #3 below. For transportation projects, does the project meet one of the following transportation screening criteria?	*Describe which and how project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure(s) proposed as an alternative strategy (provide additional documentation as necessary).* The project is approximately 2.8 miles from the nearest HQTA. The proposed warehousing project is reasonably sited in a remote area, far away from sensitive receptors.	☐ Yes ☑ No

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
A) The project would not include the addition of through traffic lanes on existing or new highways, including general-purpose lanes, high-occupancy vehicle (HOV) lanes, peak-period lanes, auxiliary lanes, and lanes through grade-separated interchanges (except managed lanes, transit lanes, and auxiliary lanes of less than 1 mile in length designed to improve roadway safety). B) The project would reduce roadway capacity and VMT. If "Yes," skip checklist items #3, #4, #5, #11, and #12 below. Please complete items #7 through #11 below. If "No," proceed to checklist item #3 below. **Supports 2045 CAP Measures (and Actions):** T1 (T1.1, T1.2)		
4. TIER 1: Increase Density Near High-Quality Transit Areas If the project is located within a High Quality Transit Area (HQTA), it must achieve a minimum of 20 dwelling units (DU) per acre, consistent with the Housing Element Rezoning Program. If the project is not located within an HQTA, it must locate residential and employment centers within 1 mile of an HQTA. **Supports 2045 CAP Measures (and Actions):** T1 (T1.1, T1.2)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* The project is not an employment center. *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed as a replacement strategy (provide additional documentation as described below).*	☐ Project Complies ☑ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
5. TIER 1: Incorporate Bicycle and Pedestrian Infrastructure The project must incorporate pedestrian and bicycle infrastructure into its design: A) Provide pedestrian facilities and connections to public transportation consistent with the Pedestrian Action Plan, Active Transportation Plans, and Vision Zero Action Plan, and any other relevant governing plan. B) Provide bicycle facilities consistent with the Bicycle Master Plan, Active Transportation Plans, and Vision Zero Action Plan, and any other relevant governing plan, and meet or exceed minimum standards for bicycle facilities in the Zoning Code and CALGreen Code. C) Increase sidewalk coverage to improve pedestrian access. D) Improve degraded or substandard sidewalks. E) Incorporate best practices to ensure pedestrian infrastructure is contiguous and links externally with existing and planned pedestrian facilities; best practices include high-visibility crosswalks, pedestrian hybrid beacons, and other pedestrian signals, mid-block crossing walks, pedestrian refuge islands, speed tables, bulb-outs (curb extensions), curb ramps, signage, pavement markings, pedestrian-only connections and districts, landscaping, and other improvements to pedestrian safety.	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed as a replacement strategy (provide additional documentation as described below)* *IN ADDITION, provide the length and/or amount of bicycle and pedestrian infrastructure incorporated, such as feet or miles of bikeways.* The project would provide 216 long-term and 120 short-term bicycle spaces onsite. The project would also construct sidewalks along project perimeters, namely Avenue F, 20th Street West, Avenue F-8, and new proposed public road long the east property boundary.	☑ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
F) Minimize barriers to pedestrian access and interconnectivity, such as walls, landscaping buffers, slopes, and unprotected crossings. G) Provide bicycle facilities for new and expanded buildings, new dwelling units, change of occupancy, increase of use intensity, and added off-street vehicle parking spaces. H) Provide short- and long-term (secure) bicycle parking for at least 5% of motorized vehicle capacity and nothing less than CALGreen Code requirements, whichever is more restrictive. I) Support the County's goal to increase bikeway miles by 300 percent by 2030 (including Class I bike paths, Class II bike lanes, and Class III bike routes). **Supports 2045 CAP Measures (and Actions):** T3 (T3.1, T3.2, T3.3)		
6. TIER 1: Comply with the County Transportation Demand Management (TDM) Ordinance The Project must comply with the TDM ordinance at the time of project approval. This may include preferential carpool/vanpool parking, bicycle parking, and shower facilities and locker rooms; trip reduction plans; transit-supportive infrastructure development; and similar strategies. Comply with any applicable VMT reduction target and incorporate any required monitoring mechanisms for development, subject to the ordinance. **Supports 2045 CAP Measures (and Actions):** T4 (T4.5)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below)* *IN ADDITION, provide the number of employers participating in the TDM program, the total trip reduction goals for the project's TDM program, and the total trips and VMT reduced via the project's TDM program.* The project would implement TDM measures and comply with TDM Ordinance.	☑ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
7. TIER 1: Comply with the County's Transportation Impact Guidelines The project must comply with the County's current Transportation Impact Analysis (TIA) Guidelines. Projects may screen out if they meet certain criteria, such as being located in a transit priority area or local-serving retail development less than 50,000 square feet. Projects that do not screen out must meet the VMT efficiency metrics identified by the TIA Guidelines (e.g., daily VMT per capita for residential projects that is 16.8% below the existing residential VMT per capita for the Baseline Area in which the project is located) and quantitatively demonstrate how these metrics are achieved, pursuant to the TIA Guidelines requirements. **Supports 2045 CAP Measures (and Actions):** T1, T2, T3, T4, T5	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed strategy (provide additional documentation as described below).* According to the project's traffic study, the project would comply with TIA Guidelines.	☑ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
8. TIER 1: Incorporate Electric Vehicle Charging Infrastructure The project must incorporate zero-emission vehicle (ZEV) infrastructure and incentives into its design as follows: A) Comply with any CALGreen Code requirement, County ordinance, building code, or condition of approval that requires a certain amount of electric vehicle (EV) charging infrastructure (EVCSs) and readiness. This may include minimum requirements for EV charging stations, EV-capable parking spaces, and EV-ready parking spaces. B) Comply with any provisions and requirements in the forthcoming Zero Emission Vehicle Master Plan.[1] C) Include electric options for promoting active transportation, such as electric scooters and e-bikes. D) Provide education and outreach to tenants and occupants about the benefits of ZEVs and the project's EV infrastructure. **Supports 2045 CAP Measures (and Actions):** T6 (T6.1, T6.2, T6.3, T6.4, T6.5, T6.6, T6.7)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below)* *IN ADDITION, provide the number of ZEVs in the project's tenant's and vendor fleet, if available; the number of public and private EVCSs installed; and the number of scooters/e-bikes available to tenants.* The project would include 10 EV charging stations.	☑ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
9. TIER 1: Decarbonize Trucks For projects that include goods movement facilities and/or warehouses, the project must incorporate freight decarbonization technologies and infrastructure, including: A) Comply with any CALGreen Code requirement, County ordinance, building code, or condition of approval that requires a certain amount of EV charging infrastructure and readiness for goods movement facilities and trucks. B) Provide EVCSs at all new warehouse loading docks. C) Comply with any provisions and requirements in the forthcoming Zero Emission Vehicle Master Plan related to goods movement. D) Implement freight decarbonization technologies along highway corridors. E) For all goods movement facilities, install alternative fueling infrastructure such as EVCSs, green hydrogen fueling stations, and/or biomethane fueling stations. F) Comply with any established zero-emission delivery zones. **Supports 2045 CAP Measures (and Actions):** T8 (T8.1, T8.2, T8.3, T8.4, T8.5)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the number of ZEV trucks in the project's tenant's and vendor fleet if available and the number EVCS installed.* The project would comply with all applicable County Code and CALGreen Code requirements.	☑ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
10. TIER 1: Incorporate Zero-Emission Technologies for Off-Road Vehicles & Equipment The project must: A) Prohibit the use of small equipment powered by gasoline, diesel, propane, or other fossil fuels, including lawn and garden equipment and outdoor power equipment, for all tenants and owners. B) Provide educational materials to tenants regarding the SCAQMD Electric Lawn and Garden Equipment Incentive and Exchange Program, Commercial Lawn & Garden Battery Buy-Down Rebate Program, the Residential Lawn Mower Rebate Program, the new requirements of AB 1346, and any other available options and incentives for purchasing zero-emission equipment, including rebates and subsidies offered by CARB, the County, or other agencies and entities. C) Use electric and zero-emission construction equipment during project construction to the maximum extent feasible. Such equipment shall include forklifts, manlifts, loaders, welders, saws, pumps, fixed cranes, air compressors, sweepers, aerial lifts, pressure washers, and other small equipment. At minimum, the project must use off-road construction equipment that meet CARB Tier 4 Final engine emission standards. D) Use electric and zero-emission agriculture and manufacturing equipment to the maximum extent feasible. These requirements must be stipulated in the contract specifications for the project's construction and for the project's future tenants and any landscaping contracts for the property or tenants. **Supports 2045 CAP Measures (and Actions):** T9 (T9.1, T9.2, T9.3)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide off-road vehicle and equipment fleet count, type, and fuel type, as available.* The project owner would provide educational materials to tenants (Option B). The project would use CARB Tier 4 Final engine construction equipment (Option C). Option D is not applicable as the project does not involve agriculture or manufacturing activities.	☑ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
11. TIER 1: Electrify County Fleet Vehicles (for municipal projects only) For all new municipal projects and facilities that include the purchase or operation of new fleet vehicles, including public transit buses and shuttles, all such fleet vehicles must be ZEVs. **Supports 2045 CAP Measures (and Actions):** T7 (T7.1, T7.2)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the number of new ZEV buses and the total ZEV percentage of the project's fleet.* The project is not a municipal project.	☐ Project Complies ☑ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
12. TIER 2: Achieve a High Jobs/Housing Balance For projects with nonresidential development, the Project must incorporate the following design elements: A) Support the County's goal to achieve a job density of 300 jobs per acre. **Supports 2045 CAP Measures (and Actions):** T2 (T2.1)	*Describe how the project will achieve a job density of 300 jobs per acre.* *OR,* *Describe why this action is not applicable to your project.* *OR* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).*	☐ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
13. TIER 2: Encourage Transit, Active Transportation, and Alternative Modes of Transportation For transit projects only, incorporate the following: A) Expand and improve frequency of existing network of County shuttles. B) Install bus-only lanes and signal prioritization along major thoroughfares. C) Install full bus rapid transit infrastructure along priority corridors. For all other projects, incorporate the following: A) Provide new mobility services, such as micro transit, autonomous delivery vehicles, and on-demand autonomous shuttles, in unincorporated Los Angeles County. B) Offer free transit passes for students, youth, seniors, disabled, and low-income populations. C) Implement telecommuting by project tenants and residents. D) Establish temporary and permanent car-free areas at the project site. **Supports 2045 CAP Measures (and Actions):** T4 (T4.1, T4.2, T4.3, T4.6, T4.7, T4.8, T4.10)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, for transit projects, provide the size of area served by transit, the number of employees and residents served by transit, the transit service frequency and headways, the increase in headways or frequencies provided by the project, total transit service hours provided by transit, the number and length of bus-only lanes, and information on signal prioritization on transit routes implemented by the project.* *For non-transit projects, provide the number of residents within one-half mile of bus or active transportation services; information on any new mobility services offered, information on free transit passes offered, the number of employers participating in telecommuting programs, and the number and location of car-free areas provided by the project.*	☐ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
14. TIER 2: Implement Parking Limitations Projects should include the following characteristics: A) Shared and reduced parking strategies, such as shared parking facilities, carpool/vanpool-only spaces, shuttle facilities, EV-only spaces, and reduced parking below allowable amount B) Minimum amount of required parking C) Unbundled parking costs to reflect cost of parking D) Parking pricing to encourage "park-once" behavior E) Compliance with all County parking reform strategies and policies **Supports 2045 CAP Measures (and Actions):** T5 (T5.1)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the total number of parking spaces, carpool/vanpool-only spaces, shuttle facilities, EV-only spaces; information on parking costs and unbundling; and parking prices.*	☐ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
Building Energy and Water		
15. TIER 1: Electrify Existing Buildings This action applies only to projects that include a retrofit, remodel, or redesign of an existing building. If the proposed project does not include a retrofit, remodel, or redesign, select "Not Applicable" in the *Project Consistency* column. The project must incorporate the following design elements: A) All space heating and water heating must be electric. B) With the exception of restaurants, all cooking appliances must be electric. C) For restaurants, use electric cooking appliances to the maximum extent feasible. D) Comply with all applicable Building Performance Standards.[2] E) Comply with all building carbon intensity limits.[3] F) If the project is a major renovation, achieve ZNE and/or comply with the City's ZNE ordinance.[4] **Supports 2045 CAP Measures (and Actions):** E1 (E1.1, E1.2, E1.3, E1.4, E1.5, E1.6)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the project's anticipated energy consumption (natural gas use and electricity use) and the number of existing buildings transitioned to all-electric buildings.* The project would not involve an existing building.	☐ Project Complies ☑ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
16. TIER 1: Electrify New Buildings For projects under construction before 2030, the project must be fully electric with no natural gas infrastructure or appliances, as specified in the County's all-electric buildings ordinance, unless the project meets specific exemptions identified in the ordinance.[5] For projects under construction after 2030, the project must be zero-net-energy and fully electric with no natural gas infrastructure or appliances, as specified in the County's ZNE ordinance, unless the project meets specific exemptions identified in the ordinance.[6] **Supports 2045 CAP Measures (and Actions):** E2 (E2.1, E2.2, E2.3)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the number and square footage of all-electric buildings built, all ZNE buildings built, and the total electricity consumption for all buildings.* The project would not use natural gas.	☑ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
17. TIER 1: Increase Building Energy Efficiency This action applies only to projects that include a retrofit of an existing building. If the proposed project does not include a retrofit, select "Not Applicable" in the *Project Consistency* column. The project shall incorporate the following energy efficiency measures into the design: A) Comply with all applicable building performance standards.[7] B) Incorporate strategic energy management programs to reduce building energy demands. C) Conduct an energy audit or benchmarking analysis to identify potential energy savings opportunities and implement such opportunities. D) Achieve CALGreen Code Tier 2 or voluntary building energy measures as they apply to the retrofit. E) Replace existing appliances with higher-efficiency models. F) Install heat-trapping surfaces to cool or green surfaces, as feasible. G) Participate in SoCalREN, SCE, CPA, or other energy efficiency programs. H) Conduct other energy efficiency retrofits. I) Achieve zero-net-energy, if feasible. **Supports 2045 CAP Measures (and Actions):** E4 (E4.1, E4.2, E4.3)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the total number of energy retrofits performed, the building size (square footage) retrofit, the total project energy use and anticipated energy savings through retrofits, and the number and area of cool and green roofs installed.* The project would not involve an existing building.	☐ Project Complies ☑ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
18. TIER 1: Implement Water Use Efficiency and Water Conservation The project must comply with the current water conservation ordinance in place, including any requirements for LEED or Sustainable SITES standards.[8] The project must also incorporate water use efficiency and conservation measures, including: A) High-efficiency appliances/fixtures to reduce water use, and/or include water-efficient landscape design B) CALGreen Code Tier 1 and Tier 2 voluntary water conservation measures C) Low-flow or high-efficiency water fixtures D) Water-efficient landscapes with lower water demands than required by the DWR 2015 Model Water Efficient Landscape Ordinance E) Drought-tolerant and native plant species only F) A comprehensive water conservation strategy G) Educational materials provided to future tenants and building occupants about water-saving behaviors and water-conserving landscaping	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the project's estimated total water consumption (in GPCD or total gallons), the square footage of buildings that are water-neutral, and the project's building size (square footage).* The project would incorporate drought tolerant landscaping and include water-efficient irrigation.	☑ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
Supports 2045 CAP Measures (and Actions): E6 (E6.1, E6.2, E6.3, E6.4, E6.5)		
19. TIER 2: Reduce the Life-Cycle Carbon Intensity of Building Materials and Phase Out the Use of High-GWP Refrigerants The project must incorporate the following design elements to the maximum extent feasible: A) For projects that are not fully electric, incorporate biomethane into the natural gas mix in place of traditional natural gas. B) Use negative-carbon concrete for all construction. C) Use low-GWP refrigerants and fire suppression equipment for all uses on-site. D) Comply with all County codes and ordinances regarding building material carbon intensity and high-GWP refrigerants and other gases. **Supports 2045 CAP Measures (and Actions):** E3 (E3.1, E3.2, E3.3, E3.4)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the amount of biomethane used by the project, the quantify of negative-carbon concrete for construction, and the quantity of low-GWP refrigerants and fire suppression equipment used.*	☐ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
20. TIER 2: Use Energy Storage and Microgrids The project must incorporate the following design elements to the maximum extent feasible: A) Install energy storage systems. B) Use a building-scale or community microgrid to support demand management and peak shaving. **Supports 2045 CAP Measures (and Actions):** ES4 (ES4.1, ES4.2, ES4.3, ES4.4, ES4.5)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the total kW of energy storage capacity installed and operational information for any microgrids utilized, if applicable.*	☐ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
21. TIER 2: Use Recycled Water and Graywater for Non-potable Uses and Include Rainfall Capture The project must implement water reuse strategies onsite through the following design elements: A) Require use of reclaimed/recycled water and/or graywater for outdoor uses. B) Install residential graywater systems that meet appropriate regulatory standards. C) Install rainfall capture systems. D) Install dual plumbing for the use of recycled water. **Supports 2045 CAP Measures (and Actions):** E5 (E5.1, E5.2, E5.3, E5.4)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below)* *IN ADDITION, provide the amount of reclaimed/recycled water and/or graywater used by the project.*	☐ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
Waste		
22. TIER 1: Compost Organic Materials The project must comply with all state and local requirements for composting and organic waste collection, including but not limited to Chapter 20.91 (Mandatory Organic Waste Disposal Reduction Ordinance) of the Los Angeles County Code, including all County requirements pursuant to AB 1826 and SB 1383. The project must also: A) Provide proper storage, collection, and loading of organics in a manner that is convenient and safe for all users of the building. Ensure there are sufficient sizes of collection containers for organics. Containers must be kept clean, be clearly labeled, and are co-located next to any other solid waste receptacles. Ensure sufficient pick-up of collection containers to meet the needs of the occupants. B) Include space for multi-stream collection containers for both recycling and organics in any location where a solid waste container is traditionally housed. This includes both outdoor collection containers serviced by a waste hauler or indoor collection containers utilized by occupants. Provide educational material and training to occupants and tenants in how to properly separate organics from all other solid waste and place organics in a separate container designated for organics. C) Ensure that all project occupants and tenants will separate compostables from all other refuse and place compostables in a separate container designated for composting. D) Require that all single-use food service ware (plates, bowls, cups) and accessories (straws, utensils, condiment cups) used by tenants at the project site be BPI certified compostable fiber, except where certain materials may be deemed medically necessary or necessary to ensure equal access for persons with disabilities. E) Require that any single-use accessories (straws, utensils, condiment cups) be only available on demand. F) Ensure that containers are audited annually to ensure proper service levels and to check for contamination. Report findings back to occupants within 30 days and to the County as requested. G) Work with the waste hauler to provide educational materials to tenants on at least an annual basis. H) Provide compliance data to the County as required for any current auditing program. **Supports 2045 CAP Measures (and Actions):** W1 (W1.1, W1.2) and W2 (W2.1, W2.2, W2.5)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the project's estimated organic waste generation (tons), the amount of organic waste sent to landfills, and the amount of organic waste generated by the project which is diverted from landfills.* The project would comply with the latest composting regulations.	☑ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
23. TIER 1: Recycle Recyclable Materials The project must comply with all state and local requirements for recycling, also including but not limited to Section 20.72.170 (Recyclable Materials Collection Program) of the Los Angeles County Code and all County requirements pursuant to AB 341 and AB 1826. The project must also: A) Comply with any zero waste ordinance in place at the time of project approval. B) Comply with all Mandatory Construction & Demolition (C&D) Recycling Program Requirements, including Chapter 20.87 (Construction and Demolition Debris Recycling and Reuse). C) Provide substantial storage, collection, and loading of recyclables in a manner that is convenient and safe for all users of the building. Ensure there are sufficient sizes and amount of collection containers for recyclables. Containers must be kept clean, be clearly labeled, and are co-located next to any other solid waste receptacles. Ensure sufficient pick-up of collection containers to meet the needs of the occupants. D) Include space for multi-stream collection containers in any location where a solid waste container is traditionally housed. This includes both outdoor collection containers serviced by a waste hauler or indoor collection containers utilized by occupants. Provide educational materials and training to occupants and tenants in how to properly separate recyclables from all other solid waste and place recyclables in a separate container designated for recycling. E) Ensure that all project occupants and tenants separate recyclables from all other refuse and place recyclables in a separate container designated for recycling. F) Require that all single-use food service ware (plates, bowls, cups) and accessories (straws, utensils, condiment cups) used by tenants at the project site be BPI certified compostable fiber, except where certain materials may be deemed medically necessary or necessary to ensure equal access for persons with disabilities. G) Require that any single-use accessories (straws, utensils, condiment cups) be only available on demand. H) Ensure that containers are audited annually to ensure proper service levels and to check for contamination. Report findings back to occupants within 30 days and to the County as requested. I) Work with the waste hauler to provide educational materials to tenants on at least an annual basis. J) Provide compliance data to the County as required for any current auditing program. **Supports 2045 CAP Measures (and Actions):** W1 (W1.1, W1.3)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the total C&D tonnage recycled and/or diverted from landfills, the project's estimated recyclable waste generation (tons), the amount of recyclable waste sent to landfills, and the amount of recyclable waste generated by the project which is diverted from landfills.* The project would comply with the latest recycling regulations.	☑ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
24. TIER 2: Incorporate On-Site Composting, Mulching, and/or Anaerobic Digestion The project may incorporate organic waste processing capabilities, such as composting, mulching, or anaerobic digestion facilities (where applicable). Collaborate with PW and waste agencies to share organic processing information with interested parties. **Supports 2045 CAP Measures (and Actions):** W2 (W2.2, W2.3, W2.4)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide information on any anaerobic digestion facilities constructed including their capacity and the amount of organic waste digested and converted to electricity, and the project's total energy generation from organic waste.*	☐ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
Agriculture, Forestry, and Other Land Use (AFOLU)		
25. TIER 1: Incorporate Tree Plantings and Expand Urban Forest Cover The project must: A) Enhance and expand urban forest cover and vegetation by planting trees and other vegetation. All trees and vegetation planted must be drought-tolerant or California native trees and plants. B) Comply with the Urban Forest Management Plan. C) Replace all native trees removed by the project with an equal or greater number of new trees. D) To the extent feasible, incorporate equitable urban forest practices and prioritize: i. Tree- and park-poor communities ii. Climate and watershed-appropriate and drought/pest-resistant vegetation iii. Appropriate watering, maintenance, and disposal practices iv. Shading v. Biodiversity **Supports 2045 CAP Measures (and Actions):** A3 (A3.1, A3.2, A3.3)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the total number of trees planted, the total tree canopy cover, the project's total green space area, and the area of impervious surface converted to pervious surfaces.* The project would incorporate drought-resistant vegetation (landscaping) throughout the site.	☑ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY
26. TIER 2: Conserve Forests, Woodlands, Shrublands, Grasslands, Desert, and other Carbon-Sequestering Wildlands and Working Lands For all projects involving the preservation, conservation, and restoration of agricultural lands, working lands, rangelands, forest lands, wetlands, and other wildlands in unincorporated Los Angeles County, the project may: A) Support the use of public and private land for urban and peri-urban agriculture, such as community gardens, and including urban vertical surfaces. B) Conserve and restore natural forest lands, wetlands and wildlands through land acquisitions and conservation easements. C) Preserve existing agricultural and farmlands, including those mapped as Agricultural Resource Areas. Expand adjoining areas to enlarge farmland area. D) Actively manage forests to reduce wildfire risk and prevent carbon loss in forest lands. **Supports 2045 CAP Measures (and Actions):** A1 (A1.1 and A1.2)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the total number of acres preserved, conserved, and restored by land type, the number and size of community gardens added, the amount of vertical surface converted, and the acres of forest land managed for wildfire risk reduction and carbon stock savings if applicable.*	☐ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed
27. TIER 2: Implement Regenerative Agricultural Practices For all agricultural projects, the project may: A) Utilize fallow and field resting practices to reduce bare-fallow land by adding cover crops and promoting crop rotation for active agricultural sites to improve soil quality and limit risks of nutrient erosion, pollutant runoff, and yield reduction. B) Implement a carbon farming plan with the primary objectives of carbon removal and regenerative agriculture. C) Use compost and/or organic fertilizer. **Supports 2045 CAP Measures (and Actions):** A2 (A2.1, A2.2)	*Describe which project consistency options from the leftmost column you are implementing.* *OR,* *Describe why this action is not applicable to your project.* *OR,* *Describe why such actions are infeasible and identify the alternative measure proposed (provide additional documentation as described below).* *IN ADDITION, provide the q*uantity of synthetic fertilizers and compost used / applied, the number of acres of cover crops using regenerative agricultural techniques, the tonnage of fertilizer/compost produced each year.	☐ Project Complies ☐ Not Applicable ☐ Project Does Not Comply and Alternative Measure Proposed

2045 CAP CONSISTENCY REQUIREMENT	DESCRIPTION OF PROJECT MEASURE(S) / DOCUMENTATION OF COMPLIANCE / EXPLANATION OF NON-COMPLIANCE	PROJECT CONSISTENCY

NOTES:

Abbreviations: 2045 CAP = 2045 Los Angeles County Climate Action Plan*; AB = Assembly Bill; AFOLU = Agriculture, Forestry, and Other Land Use; C&D = Construction & Demolition; CALGreen Code = California Green Building Standards Code; CAP = Climate Action Plan; CARB = California Air Resources Board; CEQA = California Environmental Quality Act; County = County of Los Angeles; CPA = Clean Power Alliance; DU = dwelling unit(s); DWR = California Department of Water Resources; EIR = environmental impact report; EV = electric vehicle; EVCS = electric vehicle charging station; General Plan* = Los Angeles County General Plan 2035*; GHG = greenhouse gas; GWP = global warming potential; HOV = high-occupancy vehicle; HQTA = High Quality Transit Area; kW = kilowatts; LEED = Leadership in Energy and Environmental Design; MWELO = Model Water Efficient Landscape Ordinance; PV = photovoltaic; PW = Los Angeles County Department of Public Works; RTP/SCS = Regional Transportation Plan/Sustainable Communities Strategy; SB = Senate Bill; SCAG = Southern California Association of Governments; SCAQMD = South Coast Air Quality Management District; SCE = Southern California Edison; SoCalREN = Southern California Regional Energy Network; TDM = transportation demand management; TIA = Transportation Impact Analysis; VMT = vehicle miles traveled; WUI = wildland urban interface; ZEV = zero-emission vehicle; ZNE = zero net energy.*

1 *Although the County has not yet developed the Zero Emission Vehicle Master Plan, the County will develop such a Plan before 2030, pursuant to Implementing Action T6.1 in the 2045 CAP.*

2 *Although the County has not yet developed building performance standards, the County will develop such a standard before 2030, pursuant to Implementing Action E1.1 in the 2045 CAP.*

3 *Although the County has not yet developed carbon intensity limits, the County will develop such a standard before 2030, pursuant to Implementing Action E1.2 in the 2045 CAP.*

4 *Although the County has not yet developed a ZNE ordinance, the County will develop such a standard before 2030, pursuant to Implementing Action E1.3 in the 2045 CAP.*

5 *Although the County has not yet developed an all-electric new buildings ordinance, the County will develop such an ordinance before 2030, pursuant to Implementing Action E2.1 in the 2045 CAP.*

6 *Although the County has not yet developed a ZNE ordinance, the County will develop such a standard before 2030, pursuant to Implementing Action E2.2 in the 2045 CAP.*

7 *Although the County has not yet developed building performance standards, the County will develop such a standard before 2030, pursuant to Implementing Action E4.1 in the 2045 CAP.*

8 *Although the County has not yet developed a net zero water ordinance, the County will develop such a standard before 2030, pursuant to Implementing Action E6.1 in the 2045 CAP.*

9 *Although the County has not yet developed building performance standards for building material carbon intensity and high-GWP refrigerants, the County will develop standards before 2030, pursuant to Implementing Actions E3.3 and E3.4 in the 2045 CAP.*

Table F-2: 2045 CAP Greenhouse Gas Emissions Reduction Alternative Measures

DESCRIPTION OF PROPOSED ALTERNATIVE MEASURE	DESCRIPTION OF GHG REDUCTION ESTIMATE
Alternative for 2045 CAP Consistency Requirement #: *[Number]* **Emissions Sector:** *[transportation, building energy and water, waste, AFOLU, or other sector]* **Measure Description:** [Describe the proposed project measure and why it is proposed]	*[Demonstrate the effectiveness of the proposed measure to reduce the project's GHG emissions. Include a description of how your measure will reduce emissions and provide supporting quantification documentation and assumptions. The GHG emissions reduction analysis must be consistent with all CEQA guidelines and standard practice for modeling GHG emissions for project measures and actions.]*
Alternative for 2045 CAP Consistency Requirement #: *[Number]* **Emissions Sector:** *[transportation, building energy and water, waste, AFOLU, or other sector]* **Measure Description:** [Describe the proposed project measure and why it is proposed]	*[Demonstrate the effectiveness of the proposed measure to reduce the project's GHG emissions. Include a description of how your measure will reduce emissions and provide supporting quantification documentation and assumptions. The GHG emissions reduction analysis must be consistent with all CEQA guidelines and standard practice for modeling GHG emissions for project measures and actions.]*
Alternative for 2045 CAP Consistency Requirement #: *[Number]* **Emissions Sector:** *[transportation, building energy and water, waste, AFOLU, or other sector]* **Measure Description:** [Describe the proposed project measure and why it is proposed]	*[Demonstrate the effectiveness of the proposed measure to reduce the project's GHG emissions. Include a description of how your measure will reduce emissions and provide supporting quantification documentation and assumptions. The GHG emissions reduction analysis must be consistent with all CEQA guidelines and standard practice for modeling GHG emissions for project measures and actions.]*
Alternative for 2045 CAP Consistency Requirement #: *[Number]* **Emissions Sector:** *[transportation, building energy and water, waste, AFOLU, or other sector]* **Measure Description:** [Describe the proposed project measure and why it is proposed]	*[Demonstrate the effectiveness of the proposed measure to reduce the project's GHG emissions. Include a description of how your measure will reduce emissions and provide supporting quantification documentation and assumptions. The GHG emissions reduction analysis must be consistent with all CEQA guidelines and standard practice for modeling GHG emissions for project measures and actions.]*
Alternative for 2045 CAP Consistency Requirement #: *[Number]* **Emissions Sector:** *[transportation, building energy and water, waste, AFOLU, or other sector]* **Measure Description:** [Describe the proposed project measure and why it is proposed]	*[Demonstrate the effectiveness of the proposed measure to reduce the project's GHG emissions. Include a description of how your measure will reduce emissions and provide supporting quantification documentation and assumptions. The GHG emissions reduction analysis must be consistent with all CEQA guidelines and standard practice for modeling GHG emissions for project measures and actions.]*
Alternative for 2045 CAP Consistency Requirement #: *[Number]* **Emissions Sector:** *[transportation, building energy and water, waste, AFOLU, or other sector]* **Measure Description:** [Describe the proposed project measure and why it is proposed]	*[Demonstrate the effectiveness of the proposed measure to reduce the project's GHG emissions. Include a description of how your measure will reduce emissions and provide supporting quantification documentation and assumptions. The GHG emissions reduction analysis must be consistent with all CEQA guidelines and standard practice for modeling GHG emissions for project measures and actions.]*

F.4 Offsite GHG Reduction Program Framework

Introduction

An Offsite GHG Emissions Reduction Program (Offsite Program) will be developed. Future projects that cannot achieve net-zero GHG emissions or are unable to comply with all required 2045 CAP Checklist items would have the option to participate in the Offsite Program. This program would allow project applicants to implement local projects that reduce GHG emissions in unincorporated Los Angeles County (referred to herein as *offsite projects*). Such offsite projects must not otherwise be required by law or regulation and would not have happened but for the requirements placed on the project by the 2045 CAP Checklist.

This section represents a *framework* for the forthcoming Offsite Program; the actual program will be developed after the 2045 CAP is adopted.

CARB Guidance on Offsite GHG Reductions

As discussed in Section F.1, CARB supports "off-site GHG mitigation" in Appendix D of the 2022 Scoping Plan for projects that have implemented all feasible on-site GHG reductions: "If implementation of all feasible on-site GHG reduction measures is insufficient to reduce a project's impact to a less-than-significant level, the State recommends that the lead agency next explore options to fund or implement ***local***, off-site direct GHG reduction strategies."[24] The Offsite Program would achieve these goals.

Relationship to 2045 CAP Measures and Actions

The offsite projects that will be allowed in the program fall into two general categories:

1. Offsite projects *included* in the 2045 CAP's measures and actions.
2. Offsite projects *not included* in the 2045 CAP's measures and actions.

Offsite Projects Included in the 2045 CAP

This category represents projects (and the GHG emissions reductions they create) that *are* already included in the 2045 CAP's measures and actions. An allowable offsite project could involve, for example, accelerating measures, actions, and/or programs that are already identified in the 2045 CAP by providing additional funding to that program. Such projects would not add new programs or actions not already included in the 2045 CAP; they would expand upon and/or accelerate these programs and actions. Example projects are discussed below.

Offsite Projects Not Included in the 2045 CAP

This category represents projects (and the GHG emissions reductions they create) that are *not* already included in the 2045 CAP's measures and actions. An allowable offsite project could involve, for example, creating or funding programs for implementing new technologies (e.g., zero-emission construction equipment) or implementing new emissions reduction measures or actions not considered in the 2045 CAP. Example projects are discussed below.

[24] California Air Resources Board. 2022. *2022 Scoping Plan for Achieving Carbon Neutrality.* Appendix D, "Local Actions." November 16, 2022. Available: https://ww2.arb.ca.gov/sites/default/files/2022-11/2022-sp-appendix-d-local-actions.pdf. Accessed in January 2023.

Offsite Projects Not Eligible

Offsite projects that are implementing planned 2045 CAP measures and actions on the 2045 CAP's identified timeline are not eligible for the Offsite Program. Additionally, an offsite project activity that would be mandated by any current or future ordinance (such as a future ZNE ordinance for new buildings) cannot be used in the Offsite Program.

Carbon offset credits are not permitted to be used as offsite projects. In other words, projects that generate carbon offset credits to be traded on a voluntary market registry are not permitted to be used in this program.

Location

All offsite projects must be located within the jurisdictional boundaries of unincorporated Los Angeles County. Therefore, emissions reductions achieved by such offsite projects will be accounted for in future GHG inventory updates and will contribute toward the emissions reduction targets, which are based on the jurisdictional boundaries of unincorporated Los Angeles County. See 2045 CAP Appendix A for a discussion of the inventory and forecast boundaries.

Offsite projects shall be in the following locations, in order of priority, to the extent available: (1) Within the neighborhood surrounding the project site; (2) within the greater surrounding community (i.e., town); (3) within the same Planning Area; and (4) in other Planning Areas, but within unincorporated Los Angeles County.

Standards

All offsite projects must achieve **six specific standards** to ensure that the GHG reductions produced by offsite projects are environmentally sound; namely that the GHG reductions be real, permanent, quantifiable, verifiable, enforceable, and additional, defined as follows:

- **Real** means that the offsite project's GHG reductions are the direct result of complete emissions accounting. In other words, *real* means that GHG reductions or GHG enhancements result from a demonstrable action or set of actions, and are quantified using appropriate, accurate, and conservative methodologies that account for all GHG emissions sources, GHG sinks, and GHG reservoirs within the offsite project boundary and account for uncertainty.[25]
- **Permanent** means either that GHG reductions and GHG removal enhancements are not reversible, or that when GHG reductions and GHG removal enhancements may be reversible, mechanisms are in place to replace any reversed GHG emissions reductions and GHG removal enhancements to ensure that all credited reductions endure for at least 100 years.
- **Quantifiable** means the ability to accurately measure and calculate GHG reductions or GHG removal enhancements relative to an offsite project's baseline in a reliable and replicable manner for all GHG emissions sources, GHG sinks, or GHG reservoirs included within the offsite project boundary, while accounting for uncertainty. GHG emissions reductions from an activity must be rigorously quantified, and such GHG reductions would only be permitted in an amount that corresponds to the GHG emissions that have been

[25] In general, uncertainty should be accounted for by using conservative assumptions and/or parameter values that tend to underestimate, rather than overestimate, total GHG emissions reductions.

quantified. GHG emissions accounting must be accurate and adhere to standardized quantification methodologies, which are discussed further below.

- **Verifiable** means that an offsite project's assertion of GHG emissions reductions is well documented and transparent, such that it lends itself to an objective review by an accredited verification body. The forthcoming Offsite Program itself may require third-party verification.[26]
- **Enforceable** means the authority of the County to hold a particular party responsible to take appropriate action if any of the provisions of the Offsite Program are violated.
- **Additional** means that the offsite project is not otherwise required by law, regulation, or legally binding mandate, and none of the offsite project's GHG emissions reductions would otherwise occur. In other words, an offsite project activity is additional if it can be demonstrated that the activity would result in emissions reductions or removals exceeding what would be achieved in the absence of the incentive provided by the proposed project and the 2045 CAP Consistency Checklist. Additionality is an important characteristic the Offsite Program because it indicates that the GHG reductions represent a net environmental benefit and a real reduction of GHG emissions and can thus be used to offset a project's new GHG emissions.

Proposed Process

If an applicant selects to use the Offsite Program as an alternative GHG emissions reduction measure beyond those described in Table F-1, a specific process must be followed. The process will consider the following topics, which are subject to modification by the County in the forthcoming Offsite Program.

Quantification: Project applicants shall provide evidence to the County showing that the offsite project(s) proposed achieve the amount of GHG emissions reductions required. Examples of such evidence include applicable methodologies associated with the GHG emissions reductions, quantification calculations, and supporting documentation.

Standards: Project applicants must demonstrate, with substantial evidence, that all six of the offsite project standards are met: *real, permanent, quantifiable, verifiable, enforceable*, and *additional*.

Enforcement: Project applicants shall obtain all necessary permits and approvals for implementation of the offsite project implementation and such materials shall be submitted to the County for review and approval before project approval.

Timing: Project applicants shall submit documentation to the County identifying the quantity of GHG emissions reductions required by the offsite project over a specific time frame to be identified in the Offsite Program (e.g., before project approval or permit issuance, over the course of buildout of the project).

[26] Generally, third-party verification includes a review of all documentation, monitoring data, and procedures used to estimate GHG reductions, and culminate in the verification body's issuance of a report and statement that identifies the quantity of GHG reductions that can be issued to the offsite project. As part of the report and statement, the independent third party verifies that the offsite project has adhered to the pertinent protocol or methodology, to confirm that the offsite project's GHG reductions are real, permanent, quantifiable, enforceable, and additional.

Monitoring: Project applicants shall submit regular reports documenting the offsite project's achieved GHG emissions reductions over a specified time period (such as the previous or current calendar year).

Example Offsite Projects

- **Local building electrification programs**: Programs that target existing residential and commercial buildings in the project's vicinity for electrification, provided that such electrification actions are not already required by law or regulation, County building performance standards, or reach code requirements. For example, replacing a natural gas–fired heating, ventilation, and air conditioning system with an electric heat pump or replacing a gas stove with an induction cooktop.
- **Off-site EV chargers**: Programs that install EV charging stations, provided that such installations are not already required by law or regulation, or County reach code requirements and the forthcoming Zero Emission Vehicle Master Plan (Measure T6). For example, funding or directly installing EV chargers in multi-unit dwellings in disadvantaged or low-income areas, public locations (schools, libraries, city centers), workplaces, and key destinations (e.g., parks, recreation areas, sports arenas).
- **Local building solar programs**: Programs that target existing residential and commercial buildings in the project's vicinity for rooftop solar photovoltaic installations, provided that such installations are not already required by law or regulation, County building performance standards, or reach code requirements. For example, funding or directly installing rooftop solar installations or community solar systems.
- **Energy storage and microgrids**: Funding for or direct implementation of a microgrid to balance generation from non-controllable renewable power sources, such as solar, with distributed, controllable generation, such as natural gas–fueled combustion turbines; or a strategically deployed battery storage system to make the grid more flexible by unlocking renewable energy and replacing fossil fuel–generated electricity, especially during peak hours.
- **Truck and bus electrification programs**: Funding for the purchase of zero-emission vehicle trucks and buses to replace existing fossil fuel–powered trucks and buses; coordination with local transportation agencies and school districts and replacement of diesel- or gasoline-fueled buses with less-polluting technologies such as compressed natural gas, electric, hybrid-electric, fuel cell, or other commercially available technologies.
- **Hydrogen fuel**: Funding for or programs that provide renewable hydrogen fueling stations to nearby truck fleets, such as at logistics warehouses, or other uses of renewable hydrogen fuel as a replacement for fossil fuels.

Environmental Impacts Pursuant to CEQA

Project applicants' CEQA documents would be required to disclose the impacts of any offsite projects that are proposed for funding or implementation. The Final PEIR for the 2045 CAP evaluates the potential environmental impacts of the 2045 CAP's measures and actions. For any offsite projects implemented via this program, then, to the extent that such projects include types of activities similar to those contemplated by the 2045 CAP's measures and actions, the resulting environmental impacts would be expected to be similar to those disclosed in the Final PEIR.

Project applicants' CEQA documents may rely on the Final PEIR impact analysis for an offsite project similar to those contemplated by the 2045 CAP, unless a specific offsite project causes a new or substantially more severe impact for that project type not addressed in the Final PEIR.

Next Steps and Additional Guidance

This section represents a *framework* for the Offsite Program. The actual Offsite Program will be developed separately after the 2045 CAP is formally adopted and the Final PEIR is certified. Once the formal Offsite Program is developed, project applicants may use it to demonstrate consistency with the 2045 CAP as indicated above.

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Antelop Valley Logistics Center - West (AVLC - West) Project
Energy Calculations

Land Use	Electricity Use	
	(kWh/yr)	(MWh/yr)
Short-Term Storage Warehouses	599,086	599
Offices	1,425,623	1,426
Passenger Vehicle Parking Lot	735,621	736
Roadway and Utility Improvement	0	0
Loading Docks	112,128	112
Totals	**2,872,458**	**2,872**

Energy Type	Project Annual Energy Consumption	Los Angeles County Annual Energy Consumption (2021)	Percentage Increase Countywide
Electricity (MWh)	2,872	65,374,721	0.0044%

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

Antelop Valley Logistics Center - West (AVLC - West) Project
Energy Calculations

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Grading	Graders	1	8	148	0.41	2.43	8	66	1281.56
Grading	Excavators	2	8	36.0	0.38	0.55	16	66	577.84
Grading	Tractors/Loaders/Backhoes	2	8	84.0	0.37	1.24	16	66	1312.82
Grading	Scrapers	2	8	423	0.48	8.12	16	66	8576.41
Grading	Rubber Tired Dozers	1	8	367	0.40	5.87	8	66	3100.42
Construction	Forklifts	3	8	82.0	0.20	0.66	24	462	7273.73
Construction	Generator Sets	1	8	14.0	0.74	0.41	8	462	1531.62
Construction	Cranes	1	7	367	0.29	4.26	7	462	13767.78
Construction	Welders	1	8	46.0	0.45	0.83	8	462	3060.29
Construction	Tractors/Loaders/Backhoes	3	7	84.0	0.37	1.24	21	462	12061.53
Paving	Pavers	2	8	81.0	0.42	1.36	16	44	958.00
Paving	Paving Equipment	2	8	89.0	0.36	1.28	16	44	902.25
Paving	Rollers	2	8	36.0	0.38	0.55	16	44	385.23
Architectural Coating	Air Compressors	1	6	37.0	0.48	0.71	6	132	562.64
								Total:	**55,352.11**

Notes:

Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor

Where:

Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

County Offroad Gallons	374,830,981
2023	0.0148%

Antelop Valley Logistics Center - West (AVLC - West) Project
Energy Calculations

WORKER TRIPS

Phase	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Grading	66	20	18.5	24,420	**24.90284233**	980.61
Building Construction	462	838	18.5	7,162,386		287,613.19
Paving	44	15	18.5	12,210		490.31
Architectural Coating	132	168	18.5	410,256		16,474.26
						305,558.37

VENDOR TRIPS

Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Grading	66	0	10.2	0	**8.343886151**	0.00
Building Construction	462	330	10.2	1,555,092		186,375.03
Paving	44	0	10.2	0		0.00
Architectural Coating	132	0	10.2	0		0.00
						186,375.03

HAULING TRIPS

Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)[1]	Total Fuel Consumption
Grading	66	6.82	20	9,002	**8.343886151**	1,078.92
Building Construction	462	0	20	0		0.00
Paving	44	0	20	0		0.00
Architectural Coating	132	0	20	0		0.00
						1,078.92

TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION	**493,012.32**
County On-road Gallons	3,929,799,320
2023	0.0125%

Antelop Valley Logistics Center - West (AVLC - West) Project
Energy Calculations

Vehicle Type	Percent of Vehicle Trips[1]	Daily Trips[2]	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon)[3]	Total Annual Fuel Consumption (gallons)[4]
Warehouse					
Passenger Cars	0.39	1,070	7,557,587	22	343,527
Light/Medium Trucks	0.37	1,005	7,097,827	17.3	410,279
Heavy Trucks/Other	0.24	663	4,678,905	6.4	731,079
Warehouse Total [6]	***1.00***	**2,738**	***19,334,320***	**--**	***1,484,885***
Office and Other Land uses					
Passenger Cars	0.55	355	2,508,766	22	114,035
Light/Medium Trucks	0.42	272	1,924,047	17.3	111,217
Heavy Trucks/Other	0.03	22	157,146	6.4	24,554
Office and Other Land Uses Total [6]	***1.00***	**650**	***4,589,959***	**--**	***249,805***
				ALL LAND USES TOTAL	***1,734,690***

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips taken from ITE manual.
3. Average fuel economy derived from the Department of Transportation.
4. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
5. Values may be slightly off due to rounding.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

County On-Road	
2025	
3,742,125,048	
0.0464%	