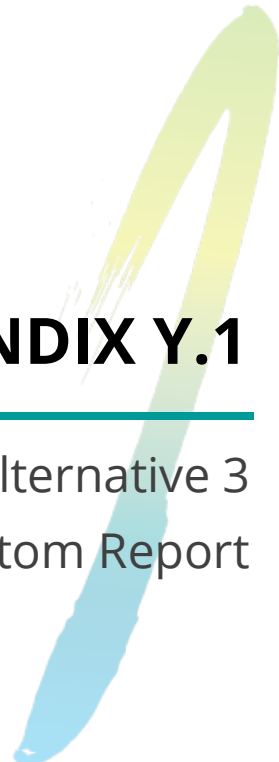


APPENDIX Y

Alternative 3
Power Custom Reports

APPENDIX Y.1



Alternative 3
Onsite Power System Report Custom Report

Ranch at Madison - Alternative 3 (Onsite Power System) Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Ranch at Madison - Alternative 3 (Onsite Power System)
Construction Start Date	4/1/2027
Operational Year	2030
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	3.00000
Precipitation (days)	7.60000
Location	33.665750946850196, -116.22989756804341
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5696
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.43

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
Single Family Housing	267.000	Dwelling Unit	148.000	520,650	3,127,333	—	862.000	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	98.9505	98.9281	36.3450	50.1720	0.09074	1.39248	4.15494	5.54741	1.28211	1.37322	2.65532	—	11,516.9	11,516.9	0.39363	0.24279	7.02391	11,606.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.66427	1.40300	10.7819	17.8205	0.03045	0.34941	1.50058	1.85000	0.32249	0.36196	0.68445	—	4,431.64	4,431.64	0.12503	0.17979	0.16064	4,488.50
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.55872	9.47279	13.0696	17.0355	0.03283	0.50018	1.48996	1.99013	0.46053	0.49252	0.95305	—	4,085.53	4,085.53	0.14142	0.12877	1.73828	4,116.19
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.74447	1.72878	2.38519	3.10898	0.00599	0.09128	0.27192	0.36320	0.08405	0.08989	0.17393	—	676.406	676.406	0.02341	0.02132	0.28779	681.482
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0000	100.0000	550.000	150.000	—	—	150.000	—	—	55.0000	—	—	—	—	—	—	—
Unmit.	—	Yes	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	75.0000	100.0000	550.000	150.000	—	—	150.000	—	—	55.0000	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—

2.2. Construction Emissions by Year

2.2.1. Total Construction Emissions by Year, Unmitigated

Includes both onsite and offsite emissions.

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	5.33540	4.50751	36.3450	50.1720	0.09074	1.39248	4.15494	5.54741	1.28211	1.37322	2.65532	—	11,516.9	11,516.9	0.39363	0.24279	7.02391	11,606.1
2028	1.66528	1.41426	10.1323	20.7030	0.02982	0.31308	1.50058	1.81366	0.28906	0.36196	0.65102	—	4,587.65	4,587.65	0.12079	0.17916	5.61521	4,649.67
2029	98.9505	98.9281	9.71760	20.1408	0.02981	0.28848	1.50058	1.78906	0.26643	0.36196	0.62839	—	4,540.76	4,540.76	0.12076	0.17273	5.08358	4,600.33
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.66427	1.40300	10.7819	17.8205	0.03044	0.34941	1.50058	1.85000	0.32249	0.36196	0.68445	—	4,431.64	4,431.64	0.12501	0.17978	0.16064	4,488.50
2028	1.55787	1.34542	10.2387	17.4751	0.03045	0.31308	1.50058	1.81366	0.28906	0.36196	0.65102	—	4,389.72	4,389.72	0.12503	0.17979	0.14567	4,446.56
2029	1.51032	1.26297	9.81545	17.1837	0.02981	0.28848	1.50058	1.78906	0.26643	0.36196	0.62839	—	4,346.89	4,346.89	0.12288	0.17336	0.13192	4,401.76
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.89460	1.59693	13.0696	17.0355	0.03283	0.50018	1.48996	1.99013	0.46053	0.49252	0.95305	—	4,085.53	4,085.53	0.14142	0.08735	1.09178	4,116.19
2028	1.12795	0.97669	7.28451	13.2750	0.02136	0.22424	1.06967	1.29391	0.20703	0.25798	0.46501	—	3,199.85	3,199.85	0.08803	0.12877	1.73828	3,242.16
2029	9.55872	9.47279	4.08208	7.51226	0.01188	0.12373	0.56578	0.68952	0.11420	0.13618	0.25038	—	1,740.73	1,740.73	0.04880	0.06346	0.81775	1,761.68
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.34576	0.29144	2.38519	3.10898	0.00599	0.09128	0.27192	0.36320	0.08405	0.08989	0.17393	—	676.406	676.406	0.02341	0.01446	0.18076	681.482
2028	0.20585	0.17825	1.32942	2.42269	0.00390	0.04092	0.19522	0.23614	0.03778	0.04708	0.08486	—	529.772	529.772	0.01457	0.02132	0.28779	536.777
2029	1.74447	1.72878	0.74498	1.37099	0.00217	0.02258	0.10325	0.12584	0.02084	0.02485	0.04569	—	288.197	288.197	0.00808	0.01051	0.13539	291.666

2.2.2. Onsite Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.73610	3.97534	34.9710	40.2196	0.08433	1.37964	2.39293	3.77257	1.26927	0.94998	2.21925	—	8,995.16	8,995.16	0.36488	0.07298	0.00000	9,026.03
2028	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	0.00000	0.30024	0.27622	0.00000	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	0.00000	2,405.68
2029	98.8746	98.8531	8.58166	12.9012	0.02340	0.27564	0.00000	0.27564	0.25359	0.00000	0.25359	—	2,396.83	2,396.83	0.09723	0.01945	0.00000	2,405.06
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	0.00000	0.33657	0.30965	0.00000	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	0.00000	2,405.30
2028	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	0.00000	0.30024	0.27622	0.00000	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	0.00000	2,405.68
2029	1.15336	0.96514	8.58166	12.9012	0.02340	0.27564	0.00000	0.27564	0.25359	0.00000	0.25359	—	2,396.83	2,396.83	0.09723	0.01945	0.00000	2,405.06
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.70125	1.42798	12.5623	14.4502	0.03029	0.49555	0.85883	1.35439	0.45591	0.34095	0.79686	—	3,231.21	3,231.21	0.13107	0.02621	0.00000	3,242.30
2028	0.84861	0.71011	6.39243	9.26478	0.01676	0.21504	0.00000	0.21504	0.19784	0.00000	0.19784	—	1,717.16	1,717.16	0.06966	0.01393	0.00000	1,723.05
2029	9.41580	9.33634	3.66089	5.51458	0.00962	0.11921	0.00000	0.11921	0.10968	0.00000	0.10968	—	988.795	988.795	0.04011	0.00802	0.00000	992.188
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.31048	0.26061	2.29262	2.63716	0.00553	0.09044	0.15674	0.24718	0.08320	0.06222	0.14543	—	534.964	534.964	0.02170	0.00434	0.00000	536.800
2028	0.15487	0.12959	1.16662	1.69082	0.00306	0.03925	0.00000	0.03925	0.03611	0.00000	0.03611	—	284.296	284.296	0.01153	0.00231	0.00000	285.271
2029	1.71838	1.70388	0.66811	1.00641	0.00176	0.02176	0.00000	0.02176	0.02002	0.00000	0.02002	—	163.706	163.706	0.00664	0.00133	0.00000	164.268

2.2.3. Offsite Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.59930	0.53217	1.37392	9.95244	0.00642	0.01284	1.76200	1.77484	0.01284	0.42324	0.43608	—	2,521.78	2,521.78	0.02874	0.16982	7.02391	2,580.12
2028	0.48046	0.42282	1.20734	7.76774	0.00642	0.01284	1.50058	1.51342	0.01284	0.36196	0.37480	—	2,190.19	2,190.19	0.02354	0.15971	5.61521	2,243.99
2029	0.41732	0.40100	1.13594	7.23957	0.00642	0.01284	1.50058	1.51342	0.01284	0.36196	0.37480	—	2,143.92	2,143.92	0.02354	0.15329	5.08358	2,195.28
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.43351	0.37312	1.39092	4.88257	0.00705	0.01284	1.50058	1.51342	0.01284	0.36196	0.37480	—	2,034.56	2,034.56	0.02778	0.16034	0.16064	2,083.19
2028	0.37305	0.35399	1.31373	4.53982	0.00705	0.01284	1.50058	1.51342	0.01284	0.36196	0.37480	—	1,992.26	1,992.26	0.02778	0.16034	0.14567	2,040.88
2029	0.35696	0.29783	1.23379	4.28246	0.00642	0.01284	1.50058	1.51342	0.01284	0.36196	0.37480	—	1,950.06	1,950.06	0.02566	0.15392	0.13192	1,996.70
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.19334	0.16896	0.50728	2.58531	0.00254	0.00462	0.63112	0.63575	0.00462	0.15157	0.15619	—	854.317	854.317	0.01035	0.06114	1.09178	873.886
2028	0.27934	0.26658	0.89208	4.01026	0.00460	0.00919	1.06967	1.07887	0.00919	0.25798	0.26717	—	1,482.69	1,482.69	0.01838	0.11484	1.73828	1,519.11
2029	0.14292	0.13645	0.42119	1.99769	0.00226	0.00452	0.56578	0.57030	0.00452	0.13618	0.14070	—	751.931	751.931	0.00869	0.05544	0.81775	769.488
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.03529	0.03084	0.09258	0.47182	0.00046	0.00084	0.11518	0.11602	0.00084	0.02766	0.02851	—	141.442	141.442	0.00171	0.01012	0.18076	144.682
2028	0.05098	0.04865	0.16280	0.73187	0.00084	0.00168	0.19522	0.19689	0.00168	0.04708	0.04876	—	245.476	245.476	0.00304	0.01901	0.28779	251.506
2029	0.02608	0.02490	0.07687	0.36458	0.00041	0.00083	0.10325	0.10408	0.00083	0.02485	0.02568	—	124.491	124.491	0.00144	0.00918	0.13539	127.398

2.3. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.3711	20.7168	7.40119	69.2982	0.13884	0.23158	11.1150	11.3466	0.22491	2.81859	3.04350	152.499	15,604.8	15,757.3	16.0429	0.67229	29.6814	16,388.4

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.6376	18.0508	7.69076	39.4610	0.12425	0.22476	11.1150	11.3398	0.21980	2.81859	3.03839	152.499	14,155.3	14,307.8	16.0807	0.68670	4.40184	14,918.9
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.5190	18.9148	7.38369	49.8453	0.12741	0.22626	10.8141	11.0403	0.22057	2.74246	2.96303	152.499	14,458.4	14,610.9	16.0412	0.65945	14.6850	15,223.1
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.56222	3.45195	1.34752	9.09676	0.02325	0.04129	1.97357	2.01486	0.04025	0.50050	0.54075	25.2480	2,393.75	2,419.00	2.65580	0.10918	2.43126	2,520.36
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0000	55.0000	550.000	150.000	—	—	150.000	—	—	55.0000	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0000	55.0000	550.000	150.000	—	—	150.000	—	—	55.0000	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.4. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.74710	7.26906	5.50868	53.3538	0.12701	0.08310	11.1150	11.1981	0.07813	2.81859	2.89673	—	12,988.7	12,988.7	0.52330	0.61398	25.9525	13,210.7
Area	13.4191	13.3453	0.14152	15.1993	0.00066	0.00692	—	0.00692	0.00521	—	0.00521	0.00000	40.5005	40.5005	0.00169	0.00034	—	40.6430
Energy	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	2,222.58	2,222.58	0.19670	0.00419	—	2,228.74

Ranch at Madison - Alternative 3 (Onsite Power System) Custom Report, 5/4/2026

Water	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Waste	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Total	21.3711	20.7168	7.40119	69.2982	0.13884	0.23158	11.1150	11.3466	0.22491	2.81859	3.04350	152.499	15,604.8	15,757.3	16.0429	0.67229	29.6814	16,388.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.39801	5.91362	5.93977	38.7159	0.11307	0.08319	11.1150	11.1982	0.07823	2.81859	2.89682	—	11,579.7	11,579.7	0.56274	0.62872	0.67294	11,781.8
Area	12.0347	12.0347	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Energy	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	2,222.58	2,222.58	0.19670	0.00419	—	2,228.74
Water	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Waste	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Total	18.6376	18.0508	7.69076	39.4610	0.12425	0.22476	11.1150	11.3398	0.21980	2.81859	3.03839	152.499	14,155.3	14,307.8	16.0807	0.68670	4.40184	14,918.9
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.59667	6.13131	5.56291	41.6046	0.11591	0.08128	10.8141	10.8953	0.07643	2.74246	2.81889	—	11,862.8	11,862.8	0.52240	0.60131	10.9561	12,066.0
Area	12.7174	12.6810	0.06979	7.49557	0.00032	0.00341	—	0.00341	0.00257	—	0.00257	0.00000	19.9728	19.9728	0.00083	0.00017	—	20.0431
Energy	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	2,222.58	2,222.58	0.19670	0.00419	—	2,228.74
Water	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Waste	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Total	19.5190	18.9148	7.38369	49.8453	0.12741	0.22626	10.8141	11.0403	0.22057	2.74246	2.96303	152.499	14,458.4	14,610.9	16.0412	0.65945	14.6850	15,223.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.20389	1.11896	1.01523	7.59284	0.02115	0.01483	1.97357	1.98840	0.01395	0.50050	0.51445	—	1,964.01	1,964.01	0.08649	0.09955	1.81390	1,997.66
Area	2.32093	2.31429	0.01274	1.36794	0.00006	0.00062	—	0.00062	0.00047	—	0.00047	0.00000	3.30673	3.30673	0.00014	0.00003	—	3.31837
Energy	0.03739	0.01870	0.31956	0.13598	0.00204	0.02584	—	0.02584	0.02584	—	0.02584	—	367.973	367.973	0.03257	0.00069	—	368.994
Water	—	—	—	—	—	—	—	—	—	—	—	3.44535	58.4580	61.9033	0.35751	0.00891	—	73.4950
Waste	—	—	—	—	—	—	—	—	—	—	—	21.8026	0.00000	21.8026	2.17910	0.00000	—	76.2800

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61736	0.61736
Total	3.56222	3.45195	1.34752	9.09676	0.02325	0.04129	1.97357	2.01486	0.04025	0.50050	0.54075	25.2480	2,393.75	2,419.00	2.65580	0.10918	2.43126	2,520.36

3. Construction Emissions Details

3.1. Grading (2027)

3.1.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.50534	2.94546	25.5801	27.2816	0.06093	1.04307	—	1.04307	0.95962	—	0.95962	—	6,598.08	6,598.08	0.26765	0.05353	—	6,620.72
Dust From Material Movement	—	—	—	—	—	—	2.39293	2.39293	—	0.94998	0.94998	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.25808	1.05714	9.18080	9.79149	0.02187	0.37436	—	0.37436	0.34441	—	0.34441	—	2,368.08	2,368.08	0.09606	0.01921	—	2,376.20

Dust From Material Movement	—	—	—	—	—	—	0.85883	0.85883	—	0.34095	0.34095	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22960	0.19293	1.67550	1.78695	0.00399	0.06832	—	0.06832	0.06286	—	0.06286	—	392.062	392.062	0.01590	0.00318	—	393.408
Dust From Material Movement	—	—	—	—	—	—	0.15674	0.15674	—	0.06222	0.06222	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09546	0.08598	0.08664	1.64862	0.00000	0.00000	0.26142	0.26142	0.00000	0.06128	0.06128	—	284.990	284.990	0.00309	0.00948	0.83986	288.732
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03046	0.02706	0.03078	0.42063	0.00000	0.00000	0.09337	0.09337	0.00000	0.02188	0.02188	—	93.0910	93.0910	0.00111	0.00340	0.13020	94.2628
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00556	0.00494	0.00562	0.07676	0.00000	0.00000	0.01704	0.01704	0.00000	0.00399	0.00399	—	15.4123	15.4123	0.00018	0.00056	0.02156	15.6063
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2. Building Construction (2027)

3.2.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23076	1.02988	9.39093	12.9379	0.02340	0.33657	—	0.33657	0.30965	—	0.30965	—	2,397.08	2,397.08	0.09724	0.01945	—	2,405.30
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.44317	0.37084	3.38147	4.65867	0.00842	0.12119	—	0.12119	0.11150	—	0.11150	—	863.136	863.136	0.03501	0.00700	—	866.098
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08088	0.06768	0.61712	0.85021	0.00154	0.02212	—	0.02212	0.02035	—	0.02035	—	142.902	142.902	0.00580	0.00116	—	143.392
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45878	0.41322	0.41640	7.92325	0.00000	0.00000	1.25638	1.25638	0.00000	0.29449	0.29449	—	1,369.66	1,369.66	0.01483	0.04556	4.03635	1,387.65
Vendor	0.04505	0.03297	0.87088	0.38057	0.00642	0.01284	0.24421	0.25704	0.01284	0.06747	0.08031	—	867.122	867.122	0.01082	0.11478	2.14771	903.743
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39097	0.34329	0.45560	4.49458	0.00000	0.00000	1.25638	1.25638	0.00000	0.29449	0.29449	—	1,166.53	1,166.53	0.01695	0.04556	0.10483	1,180.64
Vendor	0.04254	0.02983	0.93532	0.38800	0.00705	0.01284	0.24421	0.25704	0.01284	0.06747	0.08031	—	868.028	868.028	0.01082	0.11478	0.05580	902.558
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14688	0.13048	0.14841	2.02815	0.00000	0.00000	0.45019	0.45019	0.00000	0.10549	0.10549	—	448.859	448.859	0.00534	0.01641	0.62779	454.509
Vendor	0.01600	0.01142	0.32809	0.13654	0.00254	0.00462	0.08757	0.09219	0.00462	0.02420	0.02883	—	312.367	312.367	0.00390	0.04133	0.33379	325.114

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02681	0.02381	0.02708	0.37014	0.00000	0.00000	0.08216	0.08216	0.00000	0.01925	0.01925	—	74.3137	74.3137	0.00088	0.00272	0.10394	75.2491
Vendor	0.00292	0.00208	0.05988	0.02492	0.00046	0.00084	0.01598	0.01683	0.00084	0.00442	0.00526	—	51.7160	51.7160	0.00065	0.00684	0.05526	53.8264
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3. Building Construction (2028)

3.3.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18481	0.99143	8.92495	12.9352	0.02340	0.30024	—	0.30024	0.27622	—	0.27622	—	2,397.46	2,397.46	0.09725	0.01945	—	2,405.68
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.84861	0.71011	6.39243	9.26478	0.01676	0.21504	—	0.21504	0.19784	—	0.19784	—	1,717.16	1,717.16	0.06966	0.01393	—	1,723.05
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15487	0.12959	1.16662	1.69082	0.00306	0.03925	—	0.03925	0.03611	—	0.03611	—	284.296	284.296	0.01153	0.00231	—	285.271
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.3.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44183	0.39627	0.37296	7.40832	0.00000	0.00000	1.25638	1.25638	0.00000	0.29449	0.29449	—	1,343.76	1,343.76	0.01271	0.04556	3.63271	1,361.29
Vendor	0.03864	0.02655	0.83439	0.35943	0.00642	0.01284	0.24421	0.25704	0.01284	0.06747	0.08031	—	846.431	846.431	0.01082	0.11415	1.98250	882.699
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33693	0.33058	0.41428	4.16718	0.00000	0.00000	1.25638	1.25638	0.00000	0.29449	0.29449	—	1,144.92	1,144.92	0.01695	0.04556	0.09418	1,159.02
Vendor	0.03612	0.02341	0.89945	0.37264	0.00705	0.01284	0.24421	0.25704	0.01284	0.06747	0.08031	—	847.335	847.335	0.01082	0.11478	0.05149	881.860
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25347	0.24892	0.26561	3.74967	0.00000	0.00000	0.89548	0.89548	0.00000	0.20983	0.20983	—	876.167	876.167	0.01062	0.03263	1.12428	887.281
Vendor	0.02587	0.01767	0.62647	0.26059	0.00460	0.00919	0.17419	0.18339	0.00919	0.04814	0.05734	—	606.523	606.523	0.00775	0.08221	0.61400	631.829

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04626	0.04543	0.04847	0.68431	0.00000	0.00000	0.16343	0.16343	0.00000	0.03829	0.03829	—	145.059	145.059	0.00176	0.00540	0.18614	146.900
Vendor	0.00472	0.00322	0.11433	0.04756	0.00084	0.00168	0.03179	0.03347	0.00168	0.00879	0.01046	—	100.417	100.417	0.00128	0.01361	0.10165	104.606
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4. Building Construction (2029)

3.4.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15336	0.96514	8.58166	12.9012	0.02340	0.27564	—	0.27564	0.25359	—	0.25359	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15336	0.96514	8.58166	12.9012	0.02340	0.27564	—	0.27564	0.25359	—	0.25359	—	2,396.83	2,396.83	0.09723	0.01945	—	2,405.06
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.40627	0.33997	3.02289	4.54447	0.00824	0.09710	—	0.09710	0.08933	—	0.08933	—	844.286	844.286	0.03425	0.00685	—	847.183
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07414	0.06204	0.55168	0.82937	0.00150	0.01772	—	0.01772	0.01630	—	0.01630	—	139.781	139.781	0.00567	0.00113	—	140.261
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.4.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37932	0.37508	0.33164	6.89550	0.00000	0.00000	1.25638	1.25638	0.00000	0.29449	0.29449	—	1,319.61	1,319.61	0.01271	0.04556	3.25711	1,336.76
Vendor	0.03801	0.02593	0.80431	0.34407	0.00642	0.01284	0.24421	0.25704	0.01284	0.06747	0.08031	—	824.319	824.319	0.01082	0.10773	1.82647	858.518
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32210	0.27442	0.37084	3.92454	0.00000	0.00000	1.25638	1.25638	0.00000	0.29449	0.29449	—	1,124.83	1,124.83	0.01483	0.04556	0.08465	1,138.87
Vendor	0.03486	0.02341	0.86295	0.35792	0.00642	0.01284	0.24421	0.25704	0.01284	0.06747	0.08031	—	825.227	825.227	0.01082	0.10836	0.04727	857.835
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11943	0.11719	0.11533	1.71944	0.00000	0.00000	0.44040	0.44040	0.00000	0.10320	0.10320	—	423.263	423.263	0.00448	0.01605	0.49566	428.653
Vendor	0.01272	0.00869	0.29546	0.12320	0.00226	0.00452	0.08567	0.09019	0.00452	0.02368	0.02820	—	290.501	290.501	0.00381	0.03795	0.27739	302.182

Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02180	0.02139	0.02105	0.31380	0.00000	0.00000	0.08037	0.08037	0.00000	0.01883	0.01883	—	70.0760	70.0760	0.00074	0.00266	0.08206	70.9684
Vendor	0.00232	0.00159	0.05392	0.02248	0.00041	0.00083	0.01563	0.01646	0.00083	0.00432	0.00515	—	48.0957	48.0957	0.00063	0.00628	0.04593	50.0296
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5. Paving (2029)

3.5.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80047	0.67262	6.45817	9.91841	0.01395	0.23904	—	0.23904	0.21992	—	0.21992	—	1,510.63	1,510.63	0.06128	0.01226	—	1,515.81
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07018	0.05897	0.56620	0.86956	0.00122	0.02096	—	0.02096	0.01928	—	0.01928	—	132.438	132.438	0.00537	0.00107	—	132.893
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01281	0.01076	0.10333	0.15869	0.00022	0.00382	—	0.00382	0.00352	—	0.00352	—	21.9267	21.9267	0.00089	0.00018	—	22.0019
Paving	0.00000	0.00000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.5.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05919	0.05853	0.05175	1.07608	0.00000	0.00000	0.19606	0.19606	0.00000	0.04596	0.04596	—	205.931	205.931	0.00198	0.00711	0.50829	208.608
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00464	0.00455	0.00448	0.06678	0.00000	0.00000	0.01711	0.01711	0.00000	0.00401	0.00401	—	16.4397	16.4397	0.00017	0.00062	0.01925	16.6490
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00085	0.00083	0.00082	0.01219	0.00000	0.00000	0.00312	0.00312	0.00000	0.00073	0.00073	—	2.72178	2.72178	0.00003	0.00010	0.00319	2.75644
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6. Architectural Coating (2029)

3.6.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12385	0.10236	0.79416	1.11216	0.00173	0.01284	—	0.01284	0.01181	—	0.01181	—	133.510	133.510	0.00542	0.00108	—	133.968
Architectural Coatings	98.7507	98.7507	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01120	0.00925	0.07180	0.10055	0.00016	0.00116	—	0.00116	0.00107	—	0.00107	—	12.0707	12.0707	0.00049	0.00010	—	12.1122
Architectural Coatings	8.92815	8.92815	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.00204	0.00169	0.01310	0.01835	0.00003	0.00021	—	0.00021	0.00019	—	0.00019	—	1.99845	1.99845	0.00008	0.00002	—	2.00531
Architectural Coatings	1.62939	1.62939	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.6.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07586	0.07502	0.06633	1.37910	0.00000	0.00000	0.25128	0.25128	0.00000	0.05890	0.05890	—	263.921	263.921	0.00254	0.00911	0.65142	267.352
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00613	0.00602	0.00592	0.08826	0.00000	0.00000	0.02261	0.02261	0.00000	0.00530	0.00530	—	21.7275	21.7275	0.00023	0.00082	0.02544	22.0042
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00112	0.00110	0.00108	0.01611	0.00000	0.00000	0.00413	0.00413	0.00000	0.00097	0.00097	—	3.59724	3.59724	0.00004	0.00014	0.00421	3.64304
Vendor	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hauling	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	7.74710	7.26906	5.50868	53.3538	0.12701	0.08310	11.1150	11.1981	0.07813	2.81859	2.89673	—	12,988.7	12,988.7	0.52330	0.61398	25.9525	13,210.7
Total	7.74710	7.26906	5.50868	53.3538	0.12701	0.08310	11.1150	11.1981	0.07813	2.81859	2.89673	—	12,988.7	12,988.7	0.52330	0.61398	25.9525	13,210.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	6.39801	5.91362	5.93977	38.7159	0.11307	0.08319	11.1150	11.1982	0.07823	2.81859	2.89682	—	11,579.7	11,579.7	0.56274	0.62872	0.67294	11,781.8
Total	6.39801	5.91362	5.93977	38.7159	0.11307	0.08319	11.1150	11.1982	0.07823	2.81859	2.89682	—	11,579.7	11,579.7	0.56274	0.62872	0.67294	11,781.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	1.20389	1.11896	1.01523	7.59284	0.02115	0.01483	1.97357	1.98840	0.01395	0.50050	0.51445	—	1,964.01	1,964.01	0.08649	0.09955	1.81390	1,997.66
Total	1.20389	1.11896	1.01523	7.59284	0.02115	0.01483	1.97357	1.98840	0.01395	0.50050	0.51445	—	1,964.01	1,964.01	0.08649	0.09955	1.81390	1,997.66

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	2,222.58	2,222.58	0.19670	0.00419	—	2,228.74
Total	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	2,222.58	2,222.58	0.19670	0.00419	—	2,228.74

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	2,222.58	2,222.58	0.19670	0.00419	—	2,228.74
Total	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	2,222.58	2,222.58	0.19670	0.00419	—	2,228.74
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.03739	0.01870	0.31956	0.13598	0.00204	0.02584	—	0.02584	0.02584	—	0.02584	—	367.973	367.973	0.03257	0.00069	—	368.994
Total	0.03739	0.01870	0.31956	0.13598	0.00204	0.02584	—	0.02584	0.02584	—	0.02584	—	367.973	367.973	0.03257	0.00069	—	368.994

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	11.1419	11.1419	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.89281	0.89281	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.38434	1.31058	0.14152	15.1993	0.00066	0.00692	—	0.00692	0.00521	—	0.00521	—	40.5005	40.5005	0.00169	0.00034	—	40.6430
Total	13.4191	13.3453	0.14152	15.1993	0.00066	0.00692	—	0.00692	0.00521	—	0.00521	0.00000	40.5005	40.5005	0.00169	0.00034	—	40.6430

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	11.1419	11.1419	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.89281	0.89281	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	12.0347	12.0347	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	2.03340	2.03340	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.16294	0.16294	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.12459	0.11795	0.01274	1.36794	0.00006	0.00062	—	0.00062	0.00047	—	0.00047	—	3.30673	3.30673	0.00014	0.00003	—	3.31837
Total	2.32093	2.31429	0.01274	1.36794	0.00006	0.00062	—	0.00062	0.00047	—	0.00047	0.00000	3.30673	3.30673	0.00014	0.00003	—	3.31837

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Total	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Total	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	3.44535	58.4580	61.9033	0.35751	0.00891	—	73.4950
Total	—	—	—	—	—	—	—	—	—	—	—	3.44535	58.4580	61.9033	0.35751	0.00891	—	73.4950

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Total	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Total	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	21.8026	0.00000	21.8026	2.17910	0.00000	—	76.2800
Total	—	—	—	—	—	—	—	—	—	—	—	21.8026	0.00000	21.8026	2.17910	0.00000	—	76.2800

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61736	0.61736
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61736	0.61736

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)

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. 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)

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

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	4/1/2027	9/30/2027	5.00000	131.000	—
Building Construction	Building Construction	7/1/2027	6/29/2029	5.00000	522.000	—
Paving	Paving	7/1/2029	8/14/2029	5.00000	32.0000	—
Architectural Coating	Architectural Coating	8/15/2029	9/28/2029	5.00000	33.0000	—

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	Excavators	Diesel	Average	2.00000	8.00000	36.0000	0.38000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
Grading	Scrapers	Diesel	Average	2.00000	8.00000	423.000	0.48000
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00000	8.00000	84.0000	0.37000
Building Construction	Cranes	Diesel	Average	1.000000	7.00000	367.000	0.29000
Building Construction	Forklifts	Diesel	Average	3.00000	8.00000	82.0000	0.20000
Building Construction	Generator Sets	Diesel	Average	1.000000	8.00000	14.0000	0.74000
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Building Construction	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000
Paving	Pavers	Diesel	Average	2.00000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	8.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	8.00000	36.0000	0.38000

Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000
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5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Grading	Worker	20.0000	18.5000	LDA,LDT1,LDT2
Grading	Vendor	—	10.2000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	96.1200	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	28.5423	10.2000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	15.0000	18.5000	LDA,LDT1,LDT2
Paving	Vendor	—	10.2000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	19.2240	18.5000	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2000	HHDT,MHDT
Architectural Coating	Hauling	0.00000	20.0000	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	1,054,316	351,439	0.00000	0.00000	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Grading	—	—	393.000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	2.94215

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	3	74%	74%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Single Family Housing	2.94215	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
------	--------------	-----	-----	-----

2027	0.00000	456.543	0.03300	0.00400
2028	0.00000	456.543	0.03300	0.00400
2029	0.00000	456.543	0.03300	0.00400

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VM/Weekday	VM/Saturday	VM/Sunday	VM/Year
Single Family Housing	2,428.13	2,453.85	2,199.21	875,672	15,551.9	15,716.6	14,085.7	5,608,575

5.10. Operational Area Sources

5.10.1. Hearths

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

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
--	--	--	--	-----------------------------

1,054,316	351,439	0.00000	0.00000	—
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5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBtu/yr)
Single Family Housing	0.00000	456.543	0.0330	0.0040	6,935,041

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	10,859,898	71,727,729

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	244.349	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	Alternative 3 would include up to 267 residential units.
Construction: Construction Phases	The total construction timeline is anticipated to last approximately 30months, beginning in April 2027 and ending in September 2029.
Operations: Vehicle Data	Trip generation rates for residential and golf course uses calculated based on daily trip values provided by Fehr and Peers based on the Trip Generation Manual, 12thEdition (Institute of Transportation Engineers[ITE],2025).Other uses listed as 0,as they are private and not open to the general public.
Operations: Hearths	No wood burning devices used.
Operations: Energy Use	Onsite Power System

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	86.6883	148.000

8.4. Construction

8.4.1. Construction Phases

Phase Type	Phase Name	Model Parameter	Default Value	New Value
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Grading	Grading	Start Date	6/24/2028	4/1/2027
Grading	Grading	End Date	9/1/2029	9/30/2027
Grading	Grading	Work Days per Phase	310.000	131.000
Building Construction	Building Construction	Start Date	9/2/2029	7/1/2027
Building Construction	Building Construction	End Date	7/21/2041	6/29/2029
Building Construction	Building Construction	Work Days per Phase	3,100.00	522.000
Paving	Paving	Start Date	7/22/2041	7/1/2029
Paving	Paving	End Date	5/26/2042	8/14/2029
Paving	Paving	Work Days per Phase	220.000	32.0000
Architectural Coating	Architectural Coating	Start Date	5/27/2042	8/15/2029
Architectural Coating	Architectural Coating	End Date	3/31/2043	9/28/2029
Architectural Coating	Architectural Coating	Work Days per Phase	220.000	33.0000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Weekday Trip Rate	size/day	9.44000	9.09412
Single Family Housing	Saturday Trip Rate	size/day	9.54000	9.19045
Single Family Housing	Sunday Trip Rate	size/day	8.55000	8.23673

8.5.2. Area Sources

8.5.2.1. Hearths

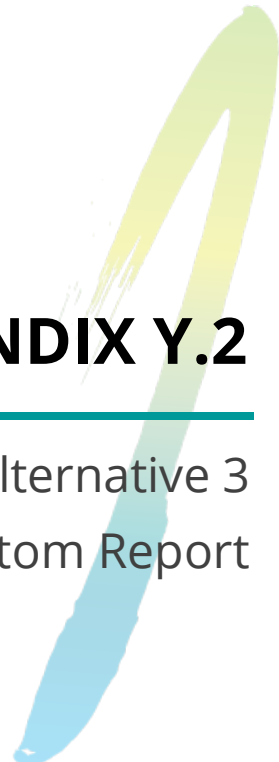
Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Wood Fireplaces	—	13	0
Single Family Housing	Gas Fireplaces	—	227	0

Single Family Housing	No Fireplaces	—	27	0
Single Family Housing	Days/Year	—	25	0
Single Family Housing	Wood Mass	lb/year	1,019	0
Single Family Housing	Catalytic Wood Stoves	—	13	0
Single Family Housing	Non-Catalytic Wood Stoves	—	13	0
Single Family Housing	Days/Year	—	25	0
Single Family Housing	Wood Mass	lb/year	1,000	0

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Electricity	kWh/yr	2,493,578	0.00000
Single Family Housing	Electricity (Subject to Title 24)	kWh/yr	863,550	0.00000
Single Family Housing	Electricity (Not Subject to Title 24)	kWh/yr	1,630,028	0.00000
Single Family Housing	Natural Gas	kBTU/yr	9,495,672	6,935,041
Single Family Housing	Natural Gas (Subject to Title 24)	kBTU/yr	8,169,153	5,966,235
Single Family Housing	Natural Gas (Not Subject to Title 24)	kBTU/yr	1,326,519	968,806

APPENDIX Y.2



Alternative 3
IID Power Custom Report

Ranch at Madison - Alternative 3 IID Power Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Ranch at Madison - Alternative 3 IID Power
Operational Year	2030
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	3.00000
Precipitation (days)	7.60000
Location	33.665750946850196, -116.22989756804341
County	Riverside-Salton Sea
City	Unincorporated
Air District	South Coast AQMD
Air Basin	Salton Sea
TAZ	5696
EDFZ	19
Electric Utility	Imperial Irrigation District
Gas Utility	Southern California Gas
App Version	2022.1.1.43

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
Single Family Housing	267.000	Dwelling Unit	148.000	520,650	3,127,333	—	862.000	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.3. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.3711	20.7168	7.40119	69.2982	0.13884	0.23158	11.1150	11.3466	0.22491	2.81859	3.04350	152.499	26,680.1	26,832.6	16.8435	0.76933	29.6814	27,512.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.6376	18.0508	7.69076	39.4610	0.12425	0.22476	11.1150	11.3398	0.21980	2.81859	3.03839	152.499	25,230.7	25,383.2	16.8812	0.78374	4.40184	26,043.1
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.5190	18.9148	7.38369	49.8453	0.12741	0.22626	10.8141	11.0403	0.22057	2.74246	2.96303	152.499	25,533.7	25,686.2	16.8417	0.75649	14.6850	26,347.4
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.56222	3.45195	1.34752	9.09676	0.02325	0.04129	1.97357	2.01486	0.04025	0.50050	0.54075	25.2480	4,227.40	4,252.65	2.78834	0.12525	2.43126	4,362.11
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	55.0000	55.0000	550.000	150.000	—	—	150.000	—	—	55.0000	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Threshold	—	55.0000	55.0000	550.000	150.000	—	—	150.000	—	—	55.0000	—	—	—	—	—	—	—
Unmit.	—	No	No	No	No	—	—	No	—	—	No	—	—	—	—	—	—	—

2.4. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.74710	7.26906	5.50868	53.3538	0.12701	0.08310	11.1150	11.1981	0.07813	2.81859	2.89673	—	12,988.7	12,988.7	0.52330	0.61398	25.9525	13,210.7
Area	13.4191	13.3453	0.14152	15.1993	0.00066	0.00692	—	0.00692	0.00521	—	0.00521	0.00000	40.5005	40.5005	0.00169	0.00034	—	40.6430
Energy	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	13,297.9	13,297.9	0.99725	0.10122	—	13,353.0
Water	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Waste	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Total	21.3711	20.7168	7.40119	69.2982	0.13884	0.23158	11.1150	11.3466	0.22491	2.81859	3.04350	152.499	26,680.1	26,832.6	16.8435	0.76933	29.6814	27,512.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.39801	5.91362	5.93977	38.7159	0.11307	0.08319	11.1150	11.1982	0.07823	2.81859	2.89682	—	11,579.7	11,579.7	0.56274	0.62872	0.67294	11,781.8
Area	12.0347	12.0347	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Energy	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	13,297.9	13,297.9	0.99725	0.10122	—	13,353.0
Water	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Waste	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Total	18.6376	18.0508	7.69076	39.4610	0.12425	0.22476	11.1150	11.3398	0.21980	2.81859	3.03839	152.499	25,230.7	25,383.2	16.8812	0.78374	4.40184	26,043.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.59667	6.13131	5.56291	41.6046	0.11591	0.08128	10.8141	10.8953	0.07643	2.74246	2.81889	—	11,862.8	11,862.8	0.52240	0.60131	10.9561	12,066.0

Area	12.7174	12.6810	0.06979	7.49557	0.00032	0.00341	—	0.00341	0.00257	—	0.00257	0.00000	19.9728	19.9728	0.00083	0.00017	—	20.0431
Energy	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	13,297.9	13,297.9	0.99725	0.10122	—	13,353.0
Water	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Waste	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Total	19.5190	18.9148	7.38369	49.8453	0.12741	0.22626	10.8141	11.0403	0.22057	2.74246	2.96303	152.499	25,533.7	25,686.2	16.8417	0.75649	14.6850	26,347.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.20389	1.11896	1.01523	7.59284	0.02115	0.01483	1.97357	1.98840	0.01395	0.50050	0.51445	—	1,964.01	1,964.01	0.08649	0.09955	1.81390	1,997.66
Area	2.32093	2.31429	0.01274	1.36794	0.00006	0.00062	—	0.00062	0.00047	—	0.00047	0.00000	3.30673	3.30673	0.00014	0.00003	—	3.31837
Energy	0.03739	0.01870	0.31956	0.13598	0.00204	0.02584	—	0.02584	0.02584	—	0.02584	—	2,201.62	2,201.62	0.16511	0.01676	—	2,210.74
Water	—	—	—	—	—	—	—	—	—	—	—	3.44535	58.4580	61.9033	0.35751	0.00891	—	73.4950
Waste	—	—	—	—	—	—	—	—	—	—	—	21.8026	0.00000	21.8026	2.17910	0.00000	—	76.2800
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61736	0.61736
Total	3.56222	3.45195	1.34752	9.09676	0.02325	0.04129	1.97357	2.01486	0.04025	0.50050	0.54075	25.2480	4,227.40	4,252.65	2.78834	0.12525	2.43126	4,362.11

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	7.74710	7.26906	5.50868	53.3538	0.12701	0.08310	11.1150	11.1981	0.07813	2.81859	2.89673	—	12,988.7	12,988.7	0.52330	0.61398	25.9525	13,210.7
Total	7.74710	7.26906	5.50868	53.3538	0.12701	0.08310	11.1150	11.1981	0.07813	2.81859	2.89673	—	12,988.7	12,988.7	0.52330	0.61398	25.9525	13,210.7

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	6.39801	5.91362	5.93977	38.7159	0.11307	0.08319	11.1150	11.1982	0.07823	2.81859	2.89682	—	11,579.7	11,579.7	0.56274	0.62872	0.67294	11,781.8
Total	6.39801	5.91362	5.93977	38.7159	0.11307	0.08319	11.1150	11.1982	0.07823	2.81859	2.89682	—	11,579.7	11,579.7	0.56274	0.62872	0.67294	11,781.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	1.20389	1.11896	1.01523	7.59284	0.02115	0.01483	1.97357	1.98840	0.01395	0.50050	0.51445	—	1,964.01	1,964.01	0.08649	0.09955	1.81390	1,997.66
Total	1.20389	1.11896	1.01523	7.59284	0.02115	0.01483	1.97357	1.98840	0.01395	0.50050	0.51445	—	1,964.01	1,964.01	0.08649	0.09955	1.81390	1,997.66

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	11,075.3	11,075.3	0.80055	0.09704	—	11,124.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	11,075.3	11,075.3	0.80055	0.09704	—	11,124.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	11,075.3	11,075.3	0.80055	0.09704	—	11,124.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	11,075.3	11,075.3	0.80055	0.09704	—	11,124.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	1,833.65	1,833.65	0.13254	0.01607	—	1,841.75
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,833.65	1,833.65	0.13254	0.01607	—	1,841.75

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	2,222.58	2,222.58	0.19670	0.00419	—	2,228.74
Total	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	2,222.58	2,222.58	0.19670	0.00419	—	2,228.74
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	2,222.58	2,222.58	0.19670	0.00419	—	2,228.74
Total	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	2,222.58	2,222.58	0.19670	0.00419	—	2,228.74
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.03739	0.01870	0.31956	0.13598	0.00204	0.02584	—	0.02584	0.02584	—	0.02584	—	367.973	367.973	0.03257	0.00069	—	368.994
Total	0.03739	0.01870	0.31956	0.13598	0.00204	0.02584	—	0.02584	0.02584	—	0.02584	—	367.973	367.973	0.03257	0.00069	—	368.994

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	11.1419	11.1419	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.89281	0.89281	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.38434	1.31058	0.14152	15.1993	0.00066	0.00692	—	0.00692	0.00521	—	0.00521	—	40.5005	40.5005	0.00169	0.00034	—	40.6430
Total	13.4191	13.3453	0.14152	15.1993	0.00066	0.00692	—	0.00692	0.00521	—	0.00521	0.00000	40.5005	40.5005	0.00169	0.00034	—	40.6430
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Consumer Products	11.1419	11.1419	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.89281	0.89281	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	12.0347	12.0347	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

Consumer Products	2.03340	2.03340	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.16294	0.16294	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.12459	0.11795	0.01274	1.36794	0.00006	0.00062	—	0.00062	0.00047	—	0.00047	—	3.30673	3.30673	0.00014	0.00003	—	3.31837
Total	2.32093	2.31429	0.01274	1.36794	0.00006	0.00062	—	0.00062	0.00047	—	0.00047	0.00000	3.30673	3.30673	0.00014	0.00003	—	3.31837

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Total	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Total	—	—	—	—	—	—	—	—	—	—	—	20.8101	353.089	373.899	2.15936	0.05379	—	443.914
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	3.44535	58.4580	61.9033	0.35751	0.00891	—	73.4950
Total	—	—	—	—	—	—	—	—	—	—	—	3.44535	58.4580	61.9033	0.35751	0.00891	—	73.4950

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Total	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Total	—	—	—	—	—	—	—	—	—	—	—	131.689	0.00000	131.689	13.1619	0.00000	—	460.736
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	21.8026	0.00000	21.8026	2.17910	0.00000	—	76.2800
Total	—	—	—	—	—	—	—	—	—	—	—	21.8026	0.00000	21.8026	2.17910	0.00000	—	76.2800

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.72890	3.72890
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61736	0.61736
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61736	0.61736

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. 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)

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	2,428.13	2,453.85	2,199.21	875,672	15,551.9	15,716.6	14,085.7	5,608,575

5.10. Operational Area Sources

5.10.1. Hearths

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

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1,054,316	351,439	0.00000	0.00000	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00000
Summer Days	day/yr	180.000

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBtu/yr)
Single Family Housing	8,854,568	456.543	0.0330	0.0040	6,935,041

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	10,859,898	71,727,729

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	244.349	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430.00	0.11538	0.60000	0.00000	1.000000

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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8. User Changes to Default Data

8.1. Justifications

Screen	Justification
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Land Use	Alternative 3 would include up to 267 residential units.
Construction: Construction Phases	The total construction timeline is anticipated to last approximately 30months, beginning in April 2027 and ending in September 2029.
Operations: Vehicle Data	Trip generation rates for residential and golf course uses calculated based on daily trip values provided by Fehr and Peers based on the Trip Generation Manual, 12thEdition (Institute of Transportation Engineers[ITE],2025).Other uses listed as 0,as they are private and not open to the general public.
Operations: Hearths	No wood burning devices used.
Operations: Energy Use	Total electricity demand provided by IID

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	86.6883	148.000

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Weekday Trip Rate	size/day	9.44000	9.09412
Single Family Housing	Saturday Trip Rate	size/day	9.54000	9.19045
Single Family Housing	Sunday Trip Rate	size/day	8.55000	8.23673

8.5.2. Area Sources

8.5.2.1. Hearths

Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Wood Fireplaces	—	13	0
Single Family Housing	Gas Fireplaces	—	227	0

Single Family Housing	No Fireplaces	—	27	0
Single Family Housing	Days/Year	—	25	0
Single Family Housing	Wood Mass	lb/year	1,019	0
Single Family Housing	Catalytic Wood Stoves	—	13	0
Single Family Housing	Non-Catalytic Wood Stoves	—	13	0
Single Family Housing	Days/Year	—	25	0
Single Family Housing	Wood Mass	lb/year	1,000	0

8.5.3. Energy Usage

Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Electricity	kWh/yr	2,493,578	8,854,568
Single Family Housing	Electricity (Not Subject to Title 24)	kWh/yr	1,630,028	8,854,568
Single Family Housing	Natural Gas	kBTU/yr	9,495,672	6,935,041
Single Family Housing	Natural Gas (Subject to Title 24)	kBTU/yr	8,169,153	5,966,235
Single Family Housing	Natural Gas (Not Subject to Title 24)	kBTU/yr	1,326,519	968,806