

APPENDIX X



Alternative 2
Power Custom Reports



APPENDIX X.1

Alternative 2
Onsite Power System Report Custom Report

Ranch at Madison - Alternative 2 (Onsite Power System) Custom Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.1. Construction Emissions Compared Against Thresholds
 - 2.2. Construction Emissions by Year
 - 2.2.1. Total Construction Emissions by Year, Unmitigated
 - 2.2.2. Onsite Construction Emissions by Year, Unmitigated
 - 2.2.3. Offsite Construction Emissions by Year, Unmitigated
 - 2.3. Operations Emissions Compared Against Thresholds
 - 2.4. Operations Emissions by Sector, Unmitigated
- 3. Construction Emissions Details
 - 3.1. Grading (2027)
 - 3.1.1. Onsite - Unmitigated

3.1.2. Offsite - Unmitigated

3.2. Building Construction (2027)

3.2.1. Onsite - Unmitigated

3.2.2. Offsite - Unmitigated

3.3. Building Construction (2028)

3.3.1. Onsite - Unmitigated

3.3.2. Offsite - Unmitigated

3.4. Building Construction (2029)

3.4.1. Onsite - Unmitigated

3.4.2. Offsite - Unmitigated

3.5. Paving (2029)

3.5.1. Onsite - Unmitigated

3.5.2. Offsite - Unmitigated

3.6. Architectural Coating (2029)

3.6.1. Onsite - Unmitigated

3.6.2. Offsite - Unmitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

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

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

8. User Changes to Default Data

8.1. Justifications

8.3. Land Use

8.4. Construction

8.4.1. Construction Phases

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

8.5.2. Area Sources

8.5.2.1. Hearths

8.5.3. Energy Usage

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Ranch at Madison - Alternative 2 (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	195.000	Dwelling Unit	195.000	380,250	2,284,007	—	630.000	—

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.	72.3006	72.2785	35.9978	47.9328	0.08901	1.38902	3.75028	5.13930	1.27865	1.27561	2.55425	—	10,913.8	10,913.8	0.38671	0.19956	5.35630	10,988.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.54736	1.30238	10.4068	16.5039	0.02855	0.34595	1.09593	1.44188	0.31902	0.26435	0.58338	—	3,882.99	3,882.99	0.11754	0.13655	0.11732	3,926.74
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.11384	7.02963	12.9411	16.4517	0.03215	0.49893	1.34494	1.84387	0.45929	0.45755	0.91683	—	3,880.26	3,880.26	0.13893	0.09780	1.26953	3,905.95
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.29828	1.28291	2.36174	3.00244	0.00587	0.09105	0.24545	0.33651	0.08382	0.08350	0.16732	—	642.421	642.421	0.02300	0.01619	0.21018	646.675
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	75.0000	100.0000	550.000	150.000	—	—	150.000	—	—	55.0000	—	—	—	—	—	—	—
Unmit.	—	No	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	5.19953	4.38719	35.9978	47.9328	0.08901	1.38902	3.75028	5.13930	1.27865	1.27561	2.55425	—	10,913.8	10,913.8	0.38671	0.19956	5.35630	10,988.2
2028	1.53571	1.30024	9.80672	18.6083	0.02809	0.30961	1.09593	1.40555	0.28559	0.26435	0.54995	—	3,997.04	3,997.04	0.11444	0.13609	4.10100	4,044.55
2029	72.3006	72.2785	9.41128	18.1886	0.02808	0.28502	1.09593	1.38095	0.26297	0.26435	0.52732	—	3,962.62	3,962.62	0.11442	0.13140	3.71272	4,008.35
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.54736	1.30238	10.4068	16.5039	0.02854	0.34595	1.09593	1.44188	0.31902	0.26435	0.58338	—	3,882.99	3,882.99	0.11752	0.13655	0.11732	3,926.74
2028	1.45727	1.24996	9.88442	16.2508	0.02855	0.30961	1.09593	1.40555	0.28559	0.26435	0.54995	—	3,852.48	3,852.48	0.11754	0.13655	0.10639	3,896.21
2029	1.41406	1.18265	9.48274	16.0289	0.02808	0.28502	1.09593	1.38095	0.26297	0.26435	0.52732	—	3,821.03	3,821.03	0.11596	0.13186	0.09635	3,863.32
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.85067	1.55867	12.9411	16.4517	0.03215	0.49893	1.34494	1.84387	0.45929	0.45755	0.91683	—	3,880.26	3,880.26	0.13893	0.07178	0.83248	3,905.95
2028	1.05262	0.90480	7.04395	12.1936	0.02012	0.22176	0.78122	1.00298	0.20455	0.18841	0.39296	—	2,800.02	2,800.02	0.08308	0.09780	1.26953	2,832.52
2029	7.11384	7.02963	3.96971	6.99157	0.01127	0.12252	0.41782	0.54034	0.11298	0.10054	0.21352	—	1,542.39	1,542.39	0.04651	0.04868	0.60242	1,558.66
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.33775	0.28446	2.36174	3.00244	0.00587	0.09105	0.24545	0.33651	0.08382	0.08350	0.16732	—	642.421	642.421	0.02300	0.01188	0.13783	646.675
2028	0.19210	0.16513	1.28552	2.22534	0.00367	0.04047	0.14257	0.18304	0.03733	0.03438	0.07172	—	463.576	463.576	0.01375	0.01619	0.21018	468.955
2029	1.29828	1.28291	0.72447	1.27596	0.00206	0.02236	0.07625	0.09861	0.02062	0.01835	0.03897	—	255.360	255.360	0.00770	0.00806	0.09974	258.054

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	72.2452	72.2237	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	7.00821	6.92875	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	1.27900	1.26450	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
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Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.46343	0.41185	1.02679	7.71321	0.00469	0.00938	1.35735	1.36673	0.00938	0.32563	0.33501	—	1,918.60	1,918.60	0.02182	0.12658	5.35630	1,962.22
2028	0.35090	0.30880	0.88177	5.67307	0.00469	0.00938	1.09593	1.10531	0.00938	0.26435	0.27373	—	1,599.58	1,599.58	0.01719	0.11664	4.10100	1,638.87
2029	0.30479	0.29287	0.82962	5.28733	0.00469	0.00938	1.09593	1.10531	0.00938	0.26435	0.27373	—	1,565.79	1,565.79	0.01719	0.11195	3.71272	1,603.29
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.31661	0.27250	1.01584	3.56592	0.00515	0.00938	1.09593	1.10531	0.00938	0.26435	0.27373	—	1,485.91	1,485.91	0.02029	0.11710	0.11732	1,521.43
2028	0.27245	0.25853	0.95947	3.31560	0.00515	0.00938	1.09593	1.10531	0.00938	0.26435	0.27373	—	1,455.02	1,455.02	0.02029	0.11710	0.10639	1,490.53
2029	0.26070	0.21752	0.90108	3.12764	0.00469	0.00938	1.09593	1.10531	0.00938	0.26435	0.27373	—	1,424.20	1,424.20	0.01874	0.11241	0.09635	1,458.26
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.14942	0.13069	0.37878	2.00158	0.00185	0.00338	0.48611	0.48949	0.00338	0.11660	0.11997	—	649.043	649.043	0.00785	0.04557	0.83248	663.651
2028	0.20401	0.19470	0.65152	2.92884	0.00336	0.00671	0.78122	0.78794	0.00671	0.18841	0.19512	—	1,082.86	1,082.86	0.01342	0.08387	1.26953	1,109.46
2029	0.10563	0.10088	0.30882	1.47699	0.00165	0.00330	0.41782	0.42113	0.00330	0.10054	0.10384	—	553.596	553.596	0.00640	0.04066	0.60242	566.475
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.02727	0.02385	0.06913	0.36529	0.00034	0.00062	0.08872	0.08933	0.00062	0.02128	0.02190	—	107.456	107.456	0.00130	0.00754	0.13783	109.875
2028	0.03723	0.03553	0.11890	0.53451	0.00061	0.00123	0.14257	0.14380	0.00123	0.03438	0.03561	—	179.280	179.280	0.00222	0.01389	0.21018	183.684
2029	0.01928	0.01841	0.05636	0.26955	0.00030	0.00060	0.07625	0.07686	0.00060	0.01835	0.01895	—	91.6542	91.6542	0.00106	0.00673	0.09974	93.7864

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.	15.6633	15.1579	5.87754	50.8120	0.10441	0.20731	8.11773	8.32504	0.20244	2.05852	2.26096	111.445	11,996.1	12,107.6	11.7766	0.49213	21.6774	12,570.3

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.6670	13.2108	6.08903	29.0208	0.09376	0.20233	8.11773	8.32006	0.19870	2.05852	2.25722	111.445	10,937.5	11,049.0	11.8042	0.50265	3.21483	11,497.1
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.3107	13.8418	5.86476	36.6048	0.09606	0.20342	7.89791	8.10133	0.19926	2.00292	2.20218	111.445	11,158.8	11,270.3	11.7754	0.48275	10.7250	11,719.3
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.61170	2.52613	1.07032	6.68037	0.01753	0.03712	1.44137	1.47849	0.03637	0.36553	0.40190	18.4509	1,847.47	1,865.93	1.94954	0.07992	1.77564	1,940.26
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	5.65799	5.30887	4.02319	38.9662	0.09276	0.06069	8.11773	8.17842	0.05706	2.05852	2.11559	—	9,486.10	9,486.10	0.38219	0.44841	18.9541	9,648.23
Area	9.80044	9.74657	0.10336	11.1006	0.00048	0.00505	—	0.00505	0.00380	—	0.00380	0.00000	29.5790	29.5790	0.00124	0.00025	—	29.6831
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 2 (Onsite Power System) Custom Report, 5/4/2026

Water	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Waste	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Total	15.6633	15.1579	5.87754	50.8120	0.10441	0.20731	8.11773	8.32504	0.20244	2.05852	2.26096	111.445	11,996.1	12,107.6	11.7766	0.49213	21.6774	12,570.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.67270	4.31894	4.33804	28.2757	0.08258	0.06076	8.11773	8.17849	0.05713	2.05852	2.11565	—	8,457.07	8,457.07	0.41099	0.45918	0.49147	8,604.67
Area	8.78941	8.78941	0.00000	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	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Waste	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Total	13.6670	13.2108	6.08903	29.0208	0.09376	0.20233	8.11773	8.32006	0.19870	2.05852	2.25722	111.445	10,937.5	11,049.0	11.8042	0.50265	3.21483	11,497.1
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.81780	4.47793	4.06280	30.3854	0.08465	0.05936	7.89791	7.95727	0.05582	2.00292	2.05874	—	8,663.81	8,663.81	0.38153	0.43916	8.00162	8,812.22
Area	9.28800	9.26143	0.05097	5.47429	0.00024	0.00249	—	0.00249	0.00188	—	0.00188	0.00000	14.5869	14.5869	0.00061	0.00012	—	14.6382
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	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Waste	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Total	14.3107	13.8418	5.86476	36.6048	0.09606	0.20342	7.89791	8.10133	0.19926	2.00292	2.20218	111.445	11,158.8	11,270.3	11.7754	0.48275	10.7250	11,719.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.87925	0.81722	0.74146	5.54533	0.01545	0.01083	1.44137	1.45220	0.01019	0.36553	0.37572	—	1,434.39	1,434.39	0.06317	0.07271	1.32476	1,458.96
Area	1.69506	1.69021	0.00930	0.99906	0.00004	0.00045	—	0.00045	0.00034	—	0.00034	0.00000	2.41503	2.41503	0.00010	0.00002	—	2.42353
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	—	—	—	—	—	—	—	—	—	—	—	2.51627	42.6940	45.2103	0.26110	0.00650	—	53.6761
Waste	—	—	—	—	—	—	—	—	—	—	—	15.9346	0.00000	15.9346	1.59261	0.00000	—	55.7499

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45088	0.45088
Total	2.61170	2.52613	1.07032	6.68037	0.01753	0.03712	1.44137	1.47849	0.03637	0.36553	0.40190	18.4509	1,847.47	1,865.93	1.94954	0.07992	1.77564	1,940.26

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	0.33507	0.30179	0.30411	5.78664	0.00000	0.00000	0.91758	0.91758	0.00000	0.21508	0.21508	—	1,000.32	1,000.32	0.01083	0.03327	2.94789	1,013.45
Vendor	0.03290	0.02408	0.63604	0.27794	0.00469	0.00938	0.17835	0.18773	0.00938	0.04928	0.05865	—	633.291	633.291	0.00790	0.08382	1.56855	660.037
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	0.28554	0.25072	0.33274	3.28256	0.00000	0.00000	0.91758	0.91758	0.00000	0.21508	0.21508	—	851.961	851.961	0.01238	0.03327	0.07656	862.263
Vendor	0.03107	0.02178	0.68310	0.28337	0.00515	0.00938	0.17835	0.18773	0.00938	0.04928	0.05865	—	633.953	633.953	0.00790	0.08382	0.04076	659.171
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	0.10728	0.09529	0.10839	1.48123	0.00000	0.00000	0.32879	0.32879	0.00000	0.07704	0.07704	—	327.818	327.818	0.00390	0.01198	0.45850	331.945
Vendor	0.01168	0.00834	0.23961	0.09972	0.00185	0.00338	0.06396	0.06733	0.00338	0.01768	0.02105	—	228.134	228.134	0.00285	0.03018	0.24378	237.443

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	0.01958	0.01739	0.01978	0.27032	0.00000	0.00000	0.06000	0.06000	0.00000	0.01406	0.01406	—	54.2741	54.2741	0.00065	0.00198	0.07591	54.9572
Vendor	0.00213	0.00152	0.04373	0.01820	0.00034	0.00062	0.01167	0.01229	0.00062	0.00323	0.00384	—	37.7701	37.7701	0.00047	0.00500	0.04036	39.3114
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	0.32268	0.28941	0.27239	5.41057	0.00000	0.00000	0.91758	0.91758	0.00000	0.21508	0.21508	—	981.399	981.399	0.00929	0.03327	2.65310	994.200
Vendor	0.02822	0.01939	0.60938	0.26250	0.00469	0.00938	0.17835	0.18773	0.00938	0.04928	0.05865	—	618.180	618.180	0.00790	0.08337	1.44789	644.668
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	0.24608	0.24143	0.30256	3.04344	0.00000	0.00000	0.91758	0.91758	0.00000	0.21508	0.21508	—	836.181	836.181	0.01238	0.03327	0.06878	846.475
Vendor	0.02638	0.01710	0.65690	0.27215	0.00515	0.00938	0.17835	0.18773	0.00938	0.04928	0.05865	—	618.840	618.840	0.00790	0.08382	0.03761	644.055
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	0.18512	0.18179	0.19399	2.73852	0.00000	0.00000	0.65400	0.65400	0.00000	0.15325	0.15325	—	639.897	639.897	0.00776	0.02383	0.82110	648.014
Vendor	0.01889	0.01290	0.45753	0.19032	0.00336	0.00671	0.12722	0.13393	0.00671	0.03516	0.04188	—	442.966	442.966	0.00566	0.06004	0.44843	461.448

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	0.03378	0.03318	0.03540	0.49978	0.00000	0.00000	0.11936	0.11936	0.00000	0.02797	0.02797	—	105.942	105.942	0.00128	0.00395	0.13594	107.286
Vendor	0.00345	0.00235	0.08350	0.03473	0.00061	0.00123	0.02322	0.02444	0.00123	0.00642	0.00764	—	73.3381	73.3381	0.00094	0.00994	0.07424	76.3980
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	0.27703	0.27393	0.24221	5.03604	0.00000	0.00000	0.91758	0.91758	0.00000	0.21508	0.21508	—	963.757	963.757	0.00929	0.03327	2.37879	976.284
Vendor	0.02776	0.01893	0.58742	0.25129	0.00469	0.00938	0.17835	0.18773	0.00938	0.04928	0.05865	—	602.030	602.030	0.00790	0.07868	1.33394	627.008
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	0.23524	0.20042	0.27084	2.86624	0.00000	0.00000	0.91758	0.91758	0.00000	0.21508	0.21508	—	821.508	821.508	0.01083	0.03327	0.06182	831.756
Vendor	0.02546	0.01710	0.63025	0.26140	0.00469	0.00938	0.17835	0.18773	0.00938	0.04928	0.05865	—	602.694	602.694	0.00790	0.07914	0.03452	626.509
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	0.08723	0.08559	0.08423	1.25577	0.00000	0.00000	0.32164	0.32164	0.00000	0.07537	0.07537	—	309.125	309.125	0.00327	0.01172	0.36200	313.061
Vendor	0.00929	0.00635	0.21579	0.08997	0.00165	0.00330	0.06257	0.06587	0.00330	0.01729	0.02060	—	212.163	212.163	0.00278	0.02771	0.20259	220.694

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	0.01592	0.01562	0.01537	0.22918	0.00000	0.00000	0.05870	0.05870	0.00000	0.01375	0.01375	—	51.1791	51.1791	0.00054	0.00194	0.05993	51.8309
Vendor	0.00170	0.00116	0.03938	0.01642	0.00030	0.00060	0.01142	0.01202	0.00060	0.00316	0.00376	—	35.1261	35.1261	0.00046	0.00459	0.03354	36.5385
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	72.1213	72.1213	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	6.52056	6.52056	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1.19000	1.19000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05541	0.05479	0.04844	1.00721	0.00000	0.00000	0.18352	0.18352	0.00000	0.04302	0.04302	—	192.751	192.751	0.00186	0.00665	0.47576	195.257
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	0.00448	0.00439	0.00432	0.06446	0.00000	0.00000	0.01651	0.01651	0.00000	0.00387	0.00387	—	15.8684	15.8684	0.00017	0.00060	0.01858	16.0705
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	0.00082	0.00080	0.00079	0.01176	0.00000	0.00000	0.00301	0.00301	0.00000	0.00071	0.00071	—	2.62719	2.62719	0.00003	0.00010	0.00308	2.66065
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	5.65799	5.30887	4.02319	38.9662	0.09276	0.06069	8.11773	8.17842	0.05706	2.05852	2.11559	—	9,486.10	9,486.10	0.38219	0.44841	18.9541	9,648.23
Total	5.65799	5.30887	4.02319	38.9662	0.09276	0.06069	8.11773	8.17842	0.05706	2.05852	2.11559	—	9,486.10	9,486.10	0.38219	0.44841	18.9541	9,648.23
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	4.67270	4.31894	4.33804	28.2757	0.08258	0.06076	8.11773	8.17849	0.05713	2.05852	2.11565	—	8,457.07	8,457.07	0.41099	0.45918	0.49147	8,604.67
Total	4.67270	4.31894	4.33804	28.2757	0.08258	0.06076	8.11773	8.17849	0.05713	2.05852	2.11565	—	8,457.07	8,457.07	0.41099	0.45918	0.49147	8,604.67
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.87925	0.81722	0.74146	5.54533	0.01545	0.01083	1.44137	1.45220	0.01019	0.36553	0.37572	—	1,434.39	1,434.39	0.06317	0.07271	1.32476	1,458.96
Total	0.87925	0.81722	0.74146	5.54533	0.01545	0.01083	1.44137	1.45220	0.01019	0.36553	0.37572	—	1,434.39	1,434.39	0.06317	0.07271	1.32476	1,458.96

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	8.13735	8.13735	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.65206	0.65206	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.01103	0.95717	0.10336	11.1006	0.00048	0.00505	—	0.00505	0.00380	—	0.00380	—	29.5790	29.5790	0.00124	0.00025	—	29.6831
Total	9.80044	9.74657	0.10336	11.1006	0.00048	0.00505	—	0.00505	0.00380	—	0.00380	0.00000	29.5790	29.5790	0.00124	0.00025	—	29.6831

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	8.13735	8.13735	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.65206	0.65206	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.78941	8.78941	0.00000	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	1.48507	1.48507	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11900	0.11900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09099	0.08615	0.00930	0.99906	0.00004	0.00045	—	0.00045	0.00034	—	0.00034	—	2.41503	2.41503	0.00010	0.00002	—	2.42353
Total	1.69506	1.69021	0.00930	0.99906	0.00004	0.00045	—	0.00045	0.00034	—	0.00034	0.00000	2.41503	2.41503	0.00010	0.00002	—	2.42353

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	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Total	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Total	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.51627	42.6940	45.2103	0.26110	0.00650	—	53.6761
Total	—	—	—	—	—	—	—	—	—	—	—	2.51627	42.6940	45.2103	0.26110	0.00650	—	53.6761

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	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Total	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Total	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	15.9346	0.00000	15.9346	1.59261	0.00000	—	55.7499
Total	—	—	—	—	—	—	—	—	—	—	—	15.9346	0.00000	15.9346	1.59261	0.00000	—	55.7499

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45088	0.45088
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45088	0.45088

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	70.2000	18.5000	LDA,LDT1,LDT2
Building Construction	Vendor	20.8455	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	14.0400	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	770,006	256,669	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	2.14876

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	2.14876	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	1,773.35	1,792.14	1,606.16	639,536	11,358.1	11,478.4	10,287.3	4,096,150

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)
--	--	--	--	-----------------------------

770,006	256,669	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	7,931,386	52,385,414

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	178.585	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 2 would include up to 195 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	63.3117	195.000

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

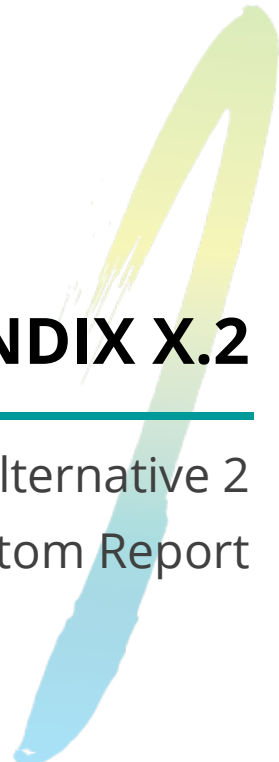
Land Use	Model Parameter	Units	Default Value	New Value
Single Family Housing	Wood Fireplaces	—	10	0
Single Family Housing	Gas Fireplaces	—	166	0

Single Family Housing	No Fireplaces	—	20	0
Single Family Housing	Days/Year	—	25	0
Single Family Housing	Wood Mass	lb/year	1,019	0
Single Family Housing	Catalytic Wood Stoves	—	10	0
Single Family Housing	Non-Catalytic Wood Stoves	—	10	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	1,821,153	0.00000
Single Family Housing	Electricity (Subject to Title 24)	kWh/yr	630,683	0.00000
Single Family Housing	Electricity (Not Subject to Title 24)	kWh/yr	1,190,470	0.00000

APPENDIX X.2



Alternative 2
IID Power Custom Report

Ranch at Madison - Alternative 2 IID Power Custom Report

Table of Contents

- 1. Basic Project Information
 - 1.1. Basic Project Information
 - 1.2. Land Use Types
 - 1.3. User-Selected Emission Reduction Measures by Emissions Sector
- 2. Emissions Summary
 - 2.3. Operations Emissions Compared Against Thresholds
 - 2.4. Operations Emissions by Sector, Unmitigated
- 4. Operations Emissions Details
 - 4.1. Mobile Emissions by Land Use
 - 4.1.1. Unmitigated
 - 4.2. Energy
 - 4.2.1. Electricity Emissions By Land Use - Unmitigated
 - 4.2.3. Natural Gas Emissions By Land Use - Unmitigated
 - 4.3. Area Emissions by Source
 - 4.3.1. Unmitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

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

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

8. User Changes to Default Data

8.1. Justifications

8.3. Land Use

8.5. Operations

8.5.1. Mobile Sources

8.5.1.1. Vehicle Data

8.5.2. Area Sources

8.5.2.1. Hearths

8.5.3. Energy Usage

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Ranch at Madison - Alternative 2 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	195.000	Dwelling Unit	195.000	380,250	2,284,007	—	630.000	—

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.	15.6633	15.1579	5.87754	50.8120	0.10441	0.20731	8.11773	8.32504	0.20244	2.05852	2.26096	111.445	20,302.9	20,414.4	12.3771	0.56491	21.6774	20,913.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.6670	13.2108	6.08903	29.0208	0.09376	0.20233	8.11773	8.32006	0.19870	2.05852	2.25722	111.445	19,244.3	19,355.8	12.4046	0.57543	3.21483	19,840.6
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.3107	13.8418	5.86476	36.6048	0.09606	0.20342	7.89791	8.10133	0.19926	2.00292	2.20218	111.445	19,465.6	19,577.1	12.3758	0.55553	10.7250	20,062.8
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.61170	2.52613	1.07032	6.68037	0.01753	0.03712	1.44137	1.47849	0.03637	0.36553	0.40190	18.4509	3,222.76	3,241.21	2.04895	0.09197	1.77564	3,321.62
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	5.65799	5.30887	4.02319	38.9662	0.09276	0.06069	8.11773	8.17842	0.05706	2.05852	2.11559	—	9,486.10	9,486.10	0.38219	0.44841	18.9541	9,648.23
Area	9.80044	9.74657	0.10336	11.1006	0.00048	0.00505	—	0.00505	0.00380	—	0.00380	0.00000	29.5790	29.5790	0.00124	0.00025	—	29.6831
Energy	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	10,529.4	10,529.4	0.79713	0.07696	—	10,572.2
Water	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Waste	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Total	15.6633	15.1579	5.87754	50.8120	0.10441	0.20731	8.11773	8.32504	0.20244	2.05852	2.26096	111.445	20,302.9	20,414.4	12.3771	0.56491	21.6774	20,913.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.67270	4.31894	4.33804	28.2757	0.08258	0.06076	8.11773	8.17849	0.05713	2.05852	2.11565	—	8,457.07	8,457.07	0.41099	0.45918	0.49147	8,604.67
Area	8.78941	8.78941	0.00000	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	—	10,529.4	10,529.4	0.79713	0.07696	—	10,572.2
Water	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Waste	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Total	13.6670	13.2108	6.08903	29.0208	0.09376	0.20233	8.11773	8.32006	0.19870	2.05852	2.25722	111.445	19,244.3	19,355.8	12.4046	0.57543	3.21483	19,840.6
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	4.81780	4.47793	4.06280	30.3854	0.08465	0.05936	7.89791	7.95727	0.05582	2.00292	2.05874	—	8,663.81	8,663.81	0.38153	0.43916	8.00162	8,812.22

Area	9.28800	9.26143	0.05097	5.47429	0.00024	0.00249	—	0.00249	0.00188	—	0.00188	0.00000	14.5869	14.5869	0.00061	0.00012	—	14.6382
Energy	0.20490	0.10245	1.75099	0.74510	0.01118	0.14157	—	0.14157	0.14157	—	0.14157	—	10,529.4	10,529.4	0.79713	0.07696	—	10,572.2
Water	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Waste	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Total	14.3107	13.8418	5.86476	36.6048	0.09606	0.20342	7.89791	8.10133	0.19926	2.00292	2.20218	111.445	19,465.6	19,577.1	12.3758	0.55553	10.7250	20,062.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.87925	0.81722	0.74146	5.54533	0.01545	0.01083	1.44137	1.45220	0.01019	0.36553	0.37572	—	1,434.39	1,434.39	0.06317	0.07271	1.32476	1,458.96
Area	1.69506	1.69021	0.00930	0.99906	0.00004	0.00045	—	0.00045	0.00034	—	0.00034	0.00000	2.41503	2.41503	0.00010	0.00002	—	2.42353
Energy	0.03739	0.01870	0.31956	0.13598	0.00204	0.02584	—	0.02584	0.02584	—	0.02584	—	1,743.26	1,743.26	0.13197	0.01274	—	1,750.35
Water	—	—	—	—	—	—	—	—	—	—	—	2.51627	42.6940	45.2103	0.26110	0.00650	—	53.6761
Waste	—	—	—	—	—	—	—	—	—	—	—	15.9346	0.00000	15.9346	1.59261	0.00000	—	55.7499
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45088	0.45088
Total	2.61170	2.52613	1.07032	6.68037	0.01753	0.03712	1.44137	1.47849	0.03637	0.36553	0.40190	18.4509	3,222.76	3,241.21	2.04895	0.09197	1.77564	3,321.62

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	5.65799	5.30887	4.02319	38.9662	0.09276	0.06069	8.11773	8.17842	0.05706	2.05852	2.11559	—	9,486.10	9,486.10	0.38219	0.44841	18.9541	9,648.23
Total	5.65799	5.30887	4.02319	38.9662	0.09276	0.06069	8.11773	8.17842	0.05706	2.05852	2.11559	—	9,486.10	9,486.10	0.38219	0.44841	18.9541	9,648.23

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	4.67270	4.31894	4.33804	28.2757	0.08258	0.06076	8.11773	8.17849	0.05713	2.05852	2.11565	—	8,457.07	8,457.07	0.41099	0.45918	0.49147	8,604.67
Total	4.67270	4.31894	4.33804	28.2757	0.08258	0.06076	8.11773	8.17849	0.05713	2.05852	2.11565	—	8,457.07	8,457.07	0.41099	0.45918	0.49147	8,604.67
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.87925	0.81722	0.74146	5.54533	0.01545	0.01083	1.44137	1.45220	0.01019	0.36553	0.37572	—	1,434.39	1,434.39	0.06317	0.07271	1.32476	1,458.96
Total	0.87925	0.81722	0.74146	5.54533	0.01545	0.01083	1.44137	1.45220	0.01019	0.36553	0.37572	—	1,434.39	1,434.39	0.06317	0.07271	1.32476	1,458.96

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	—	—	—	—	—	—	—	—	—	—	—	—	8,306.79	8,306.79	0.60043	0.07278	—	8,343.49
Total	—	—	—	—	—	—	—	—	—	—	—	—	8,306.79	8,306.79	0.60043	0.07278	—	8,343.49
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	8,306.79	8,306.79	0.60043	0.07278	—	8,343.49
Total	—	—	—	—	—	—	—	—	—	—	—	—	8,306.79	8,306.79	0.60043	0.07278	—	8,343.49
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	1,375.28	1,375.28	0.09941	0.01205	—	1,381.36
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,375.28	1,375.28	0.09941	0.01205	—	1,381.36

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	8.13735	8.13735	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.65206	0.65206	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.01103	0.95717	0.10336	11.1006	0.00048	0.00505	—	0.00505	0.00380	—	0.00380	—	29.5790	29.5790	0.00124	0.00025	—	29.6831
Total	9.80044	9.74657	0.10336	11.1006	0.00048	0.00505	—	0.00505	0.00380	—	0.00380	0.00000	29.5790	29.5790	0.00124	0.00025	—	29.6831
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	8.13735	8.13735	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.65206	0.65206	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	8.78941	8.78941	0.00000	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	1.48507	1.48507	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.11900	0.11900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.09099	0.08615	0.00930	0.99906	0.00004	0.00045	—	0.00045	0.00034	—	0.00034	—	2.41503	2.41503	0.00010	0.00002	—	2.42353
Total	1.69506	1.69021	0.00930	0.99906	0.00004	0.00045	—	0.00045	0.00034	—	0.00034	0.00000	2.41503	2.41503	0.00010	0.00002	—	2.42353

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	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Total	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Total	—	—	—	—	—	—	—	—	—	—	—	15.1984	257.874	273.073	1.57706	0.03929	—	324.207
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	2.51627	42.6940	45.2103	0.26110	0.00650	—	53.6761
Total	—	—	—	—	—	—	—	—	—	—	—	2.51627	42.6940	45.2103	0.26110	0.00650	—	53.6761

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	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Total	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Total	—	—	—	—	—	—	—	—	—	—	—	96.2461	0.00000	96.2461	9.61945	0.00000	—	336.732
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	15.9346	0.00000	15.9346	1.59261	0.00000	—	55.7499
Total	—	—	—	—	—	—	—	—	—	—	—	15.9346	0.00000	15.9346	1.59261	0.00000	—	55.7499

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.72335	2.72335
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45088	0.45088
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.45088	0.45088

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	1,773.35	1,792.14	1,606.16	639,536	11,358.1	11,478.4	10,287.3	4,096,150

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)
770,006	256,669	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	6,641,169	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	7,931,386	52,385,414

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	178.585	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 2 would include up to 195 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	63.3117	195.000

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	—	10	0
Single Family Housing	Gas Fireplaces	—	166	0

Single Family Housing	No Fireplaces	—	20	0
Single Family Housing	Days/Year	—	25	0
Single Family Housing	Wood Mass	lb/year	1,019	0
Single Family Housing	Catalytic Wood Stoves	—	10	0
Single Family Housing	Non-Catalytic Wood Stoves	—	10	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	1,821,153	6,641,169
Single Family Housing	Electricity (Not Subject to Title 24)	kWh/yr	1,190,470	6,641,169
Single Family Housing	Natural Gas	kBTU/yr	6,935,041	6,935,041