

PSS Apartments and Retail Detailed 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. Demolition (2027)
 - 3.1.1. Onsite - Unmitigated

3.1.2. Offsite - Unmitigated

3.2. Site Preparation (2027)

3.2.1. Onsite - Unmitigated

3.2.2. Offsite - Unmitigated

3.3. Grading (2027)

3.3.1. Onsite - Unmitigated

3.3.2. Offsite - Unmitigated

3.4. Building Construction (2027)

3.4.1. Onsite - Unmitigated

3.4.2. Offsite - Unmitigated

3.5. Building Construction (2028)

3.5.1. Onsite - Unmitigated

3.5.2. Offsite - Unmitigated

3.6. Paving (2028)

3.6.1. Onsite - Unmitigated

3.6.2. Offsite - Unmitigated

3.7. Architectural Coating (2028)

3.7.1. Onsite - Unmitigated

3.7.2. 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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

8.1. Justifications

8.3. Land Use

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	PSS Apartments and Retail
Construction Start Date	1/1/2027
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40000
Precipitation (days)	9.00000
Location	37.79647200455153, -121.25511472969191
County	San Joaquin
City	Manteca
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2166
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
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
Apartments Mid Rise	164.000	Dwelling Unit	4.56000	241,788	96,624.0	—	530.000	—

User Defined Retail	8.00000	User Defined Unit	0.00000	13,913.0	0.00000	—	—	—
User Defined Recreational	1.000000	User Defined Unit	0.00000	1,789.00	0.00000	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.75939	1.50599	10.3099	18.6739	0.02743	0.34464	1.18914	1.53378	0.31772	0.28516	0.60288	—	4,043.22	4,043.22	0.12699	0.14413	4.65293	4,094.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	88.3325	88.3013	28.0226	28.8961	0.04891	1.17173	19.8040	20.9758	1.07799	10.1369	11.2149	—	5,438.85	5,438.85	0.21876	0.14685	0.12039	5,458.97
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.41853	4.40736	8.22087	12.7437	0.02009	0.28610	1.18406	1.47015	0.26362	0.39436	0.65799	—	2,797.81	2,797.81	0.09382	0.09556	1.26794	2,829.90
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.80638	0.80434	1.50031	2.32573	0.00367	0.05221	0.21609	0.26830	0.04811	0.07197	0.12008	—	463.209	463.209	0.01553	0.01582	0.20992	468.522

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	1.75939	1.50599	10.3099	18.6739	0.02743	0.34464	1.18914	1.53378	0.31772	0.28516	0.60288	—	4,043.22	4,043.22	0.12699	0.14413	4.65293	4,094.00
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.69342	3.11180	28.0226	28.8961	0.04891	1.17173	19.8040	20.9758	1.07799	10.1369	11.2149	—	5,438.85	5,438.85	0.21876	0.14685	0.12039	5,458.97
2028	88.3325	88.3013	9.90359	17.2129	0.02743	0.30831	1.18914	1.49744	0.28429	0.28516	0.56945	—	3,906.47	3,906.47	0.13244	0.14282	0.10711	3,952.45
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	1.28864	1.11206	8.22087	12.7437	0.02009	0.28610	1.18406	1.47015	0.26362	0.39436	0.65799	—	2,797.81	2,797.81	0.09382	0.09556	1.26794	2,829.90
2028	4.41853	4.40736	0.46919	0.79991	0.00110	0.01536	0.03459	0.04995	0.01414	0.00819	0.02233	—	144.855	144.855	0.00513	0.00323	0.04820	145.994
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.23518	0.20295	1.50031	2.32573	0.00367	0.05221	0.21609	0.26830	0.04811	0.07197	0.12008	—	463.209	463.209	0.01553	0.01582	0.20992	468.522
2028	0.80638	0.80434	0.08563	0.14598	0.00020	0.00280	0.00631	0.00912	0.00258	0.00150	0.00408	—	23.9825	23.9825	0.00085	0.00053	0.00798	24.1710

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	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
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	3.63178	3.05170	27.9724	28.2794	0.04891	1.17173	19.6570	20.8287	1.07799	10.1024	11.1804	—	5,297.82	5,297.82	0.21490	0.04298	0.00000	5,316.00
2028	88.2500	88.2275	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.99683	0.83480	7.59287	9.78763	0.01752	0.28090	0.43837	0.71927	0.25843	0.21555	0.47398	—	1,807.57	1,807.57	0.07332	0.01466	0.00000	1,813.77
2028	4.40510	4.39539	0.45060	0.66633	0.00104	0.01525	0.00000	0.01525	0.01403	0.00000	0.01403	—	106.015	106.015	0.00430	0.00086	0.00000	106.379
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.18192	0.15235	1.38570	1.78624	0.00320	0.05126	0.08000	0.13127	0.04716	0.03934	0.08650	—	299.264	299.264	0.01214	0.00243	0.00000	300.290
2028	0.80393	0.80216	0.08223	0.12161	0.00019	0.00278	0.00000	0.00278	0.00256	0.00000	0.00256	—	17.5521	17.5521	0.00071	0.00014	0.00000	17.6123

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	0.52863	0.47611	0.91897	5.73592	0.00403	0.00807	1.18914	1.19721	0.00807	0.28516	0.29323	—	1,646.14	1,646.14	0.02975	0.12469	4.65293	1,688.70
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.46282	0.44033	1.04370	4.57111	0.00403	0.00807	1.18914	1.19721	0.00807	0.28516	0.29323	—	1,541.31	1,541.31	0.03791	0.12740	0.12039	1,580.34
2028	0.43704	0.38583	0.97864	4.27768	0.00403	0.00807	1.18914	1.19721	0.00807	0.28516	0.29323	—	1,509.01	1,509.01	0.03519	0.12337	0.10711	1,546.76
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.29181	0.27726	0.62800	2.95611	0.00257	0.00520	0.74569	0.75088	0.00520	0.17881	0.18401	—	990.241	990.241	0.02050	0.08090	1.26794	1,016.13
2028	0.01344	0.01197	0.01859	0.13358	0.00006	0.00011	0.03459	0.03470	0.00011	0.00819	0.00830	—	38.8399	38.8399	0.00083	0.00237	0.04820	39.6151
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.05325	0.05060	0.11461	0.53949	0.00047	0.00095	0.13609	0.13704	0.00095	0.03263	0.03358	—	163.946	163.946	0.00339	0.01339	0.20992	168.232
2028	0.00245	0.00218	0.00339	0.02438	0.00001	0.00002	0.00631	0.00633	0.00002	0.00150	0.00152	—	6.43039	6.43039	0.00014	0.00039	0.00798	6.55873

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.	18.9402	14.3536	5.36314	74.3675	0.18664	5.47839	5.65314	11.1315	5.29027	1.43733	6.72761	969.444	9,440.46	10,409.9	12.4269	0.33794	20.7973	10,842.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.7256	13.1816	5.69520	61.0257	0.18146	5.47286	5.65314	11.1260	5.28610	1.43733	6.72344	969.444	8,933.80	9,903.25	12.4587	0.36145	2.22604	10,324.7
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.5345	10.2754	3.88611	35.6148	0.07938	1.29123	5.34228	6.63351	1.25611	1.35841	2.61452	278.406	7,410.98	7,689.38	9.17421	0.33297	9.55763	8,027.52
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.10504	1.87526	0.70921	6.49970	0.01449	0.23565	0.97497	1.21062	0.22924	0.24791	0.47715	46.0933	1,226.97	1,273.06	1.51889	0.05513	1.58237	1,329.05

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	3.47472	3.22427	2.77984	26.5267	0.06513	0.05033	5.67041	5.72074	0.04727	1.44204	1.48931	—	6,645.01	6,645.01	0.24686	0.29356	19.0656	6,757.73
Area	15.3986	11.0977	2.05793	47.5978	0.12989	5.39915	—	5.39915	5.20153	—	5.20153	891.268	1,754.27	2,645.54	4.20016	0.00348	—	2,751.58
Energy	0.06683	0.03342	0.57111	0.24303	0.00365	0.04618	—	0.04618	0.04618	—	0.04618	—	1,139.00	1,139.00	0.13114	0.00948	—	1,145.10
Water	—	—	—	—	—	—	—	—	—	—	—	12.7822	13.7657	26.5479	1.31290	0.03141	—	68.7309
Waste	—	—	—	—	—	—	—	—	—	—	—	65.3937	0.00000	65.3937	6.53586	0.00000	—	228.790
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73169	1.73169
Vegetation	—	-0.00175	-0.04574	—	-0.01204	-0.01727	-0.01727	-0.03453	-0.00470	-0.00470	-0.00941	—	-111.579	-111.579	—	—	—	-111.579
Total	18.9402	14.3536	5.36314	74.3675	0.18664	5.47839	5.65314	11.1315	5.29027	1.43733	6.72761	969.444	9,440.46	10,409.9	12.4269	0.33794	20.7973	10,842.1

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.23805	2.97535	3.20576	23.1885	0.06040	0.05037	5.67041	5.72078	0.04731	1.44204	1.48934	—	6,166.04	6,166.04	0.27977	0.31730	0.49435	6,268.08
Area	14.4207	10.1746	1.96408	37.5942	0.12945	5.39358	—	5.39358	5.19733	—	5.19733	891.268	1,726.58	2,617.85	4.19901	0.00325	—	2,723.79
Energy	0.06683	0.03342	0.57111	0.24303	0.00365	0.04618	—	0.04618	0.04618	—	0.04618	—	1,139.00	1,139.00	0.13114	0.00948	—	1,145.10
Water	—	—	—	—	—	—	—	—	—	—	—	12.7822	13.7657	26.5479	1.31290	0.03141	—	68.7309
Waste	—	—	—	—	—	—	—	—	—	—	—	65.3937	0.00000	65.3937	6.53586	0.00000	—	228.790
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73169	1.73169
Vegetation	—	-0.00175	-0.04574	—	-0.01204	-0.01727	-0.01727	-0.03453	-0.00470	-0.00470	-0.00941	—	-111.579	-111.579	—	—	—	-111.579
Total	17.7256	13.1816	5.69520	61.0257	0.18146	5.47286	5.65314	11.1260	5.28610	1.43733	6.72344	969.444	8,933.80	9,903.25	12.4587	0.36145	2.22604	10,324.7
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.07881	2.83584	2.87321	21.9927	0.05847	0.04786	5.35955	5.40741	0.04495	1.36312	1.40807	—	5,968.25	5,968.25	0.25039	0.29123	7.82594	6,069.12
Area	8.38883	7.40787	0.48753	13.3791	0.02930	1.21445	—	1.21445	1.16969	—	1.16969	200.230	401.543	601.773	0.94391	0.00084	—	625.622
Energy	0.06683	0.03342	0.57111	0.24303	0.00365	0.04618	—	0.04618	0.04618	—	0.04618	—	1,139.00	1,139.00	0.13114	0.00948	—	1,145.10
Water	—	—	—	—	—	—	—	—	—	—	—	12.7822	13.7657	26.5479	1.31290	0.03141	—	68.7309
Waste	—	—	—	—	—	—	—	—	—	—	—	65.3937	0.00000	65.3937	6.53586	0.00000	—	228.790
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73169	1.73169
Vegetation	—	-0.00175	-0.04574	—	-0.01204	-0.01727	-0.01727	-0.03453	-0.00470	-0.00470	-0.00941	—	-111.579	-111.579	—	—	—	-111.579
Total	11.5345	10.2754	3.88611	35.6148	0.07938	1.29123	5.34228	6.63351	1.25611	1.35841	2.61452	278.406	7,410.98	7,689.38	9.17421	0.33297	9.55763	8,027.52
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.56188	0.51754	0.52436	4.01367	0.01067	0.00874	0.97812	0.98685	0.00820	0.24877	0.25697	—	988.112	988.112	0.04145	0.04822	1.29567	1,004.81
Area	1.53096	1.35194	0.08897	2.44168	0.00535	0.22164	—	0.22164	0.21347	—	0.21347	33.1504	66.4800	99.6303	0.15627	0.00014	—	103.579
Energy	0.01220	0.00610	0.10423	0.04435	0.00067	0.00843	—	0.00843	0.00843	—	0.00843	—	188.574	188.574	0.02171	0.00157	—	189.585
Water	—	—	—	—	—	—	—	—	—	—	—	2.11625	2.27906	4.39531	0.21737	0.00520	—	11.3792
Waste	—	—	—	—	—	—	—	—	—	—	—	10.8267	0.00000	10.8267	1.08209	0.00000	—	37.8788
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28670	0.28670

Vegetati	—	-0.00032	-0.00835	—	-0.00220	-0.00315	-0.00315	-0.00630	-0.00086	-0.00086	-0.00172	—	-18.4732	-18.4732	—	—	—	-18.473
Total	2.10504	1.87526	0.70921	6.49970	0.01449	0.23565	0.97497	1.21062	0.22924	0.24791	0.47715	46.0933	1,226.97	1,273.06	1.51889	0.05513	1.58237	1,329.05

3. Construction Emissions Details

3.1. Demolition (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.63907	2.21478	19.9005	18.6307	0.03253	0.79594	—	0.79594	0.73226	—	0.73226	—	3,426.90	3,426.90	0.13901	0.02780	—	3,438.66
Demolition	—	—	—	—	—	—	0.25291	0.25291	—	0.03830	0.03830	—	—	—	—	—	—	—
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	0.14461	0.12136	1.09044	1.02086	0.00178	0.04361	—	0.04361	0.04012	—	0.04012	—	187.775	187.775	0.00762	0.00152	—	188.420
Demolition	—	—	—	—	—	—	0.01386	0.01386	—	0.00210	0.00210	—	—	—	—	—	—	—
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	0.02639	0.02215	0.19901	0.18631	0.00033	0.00796	—	0.00796	0.00732	—	0.00732	—	31.0883	31.0883	0.00126	0.00025	—	31.1950
Demolition	—	—	—	—	—	—	0.00253	0.00253	—	0.00038	0.00038	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.1.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05284	0.05152	0.04303	0.52867	0.00000	0.00000	0.12601	0.12601	0.00000	0.02954	0.02954	—	120.887	120.887	0.00331	0.00525	0.01085	122.546
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	0.00767	0.00314	0.24083	0.05567	0.00132	0.00377	0.05284	0.05661	0.00377	0.01447	0.01824	—	191.134	191.134	0.00308	0.02966	0.01089	200.060
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00290	0.00282	0.00209	0.02982	0.00000	0.00000	0.00686	0.00686	0.00000	0.00161	0.00161	—	6.78917	6.78917	0.00014	0.00029	0.00992	6.88852
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	0.00043	0.00018	0.01290	0.00302	0.00007	0.00021	0.00288	0.00309	0.00021	0.00079	0.00100	—	10.4693	10.4693	0.00017	0.00163	0.00994	10.9678
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00053	0.00052	0.00038	0.00544	0.00000	0.00000	0.00125	0.00125	0.00000	0.00029	0.00029	—	1.12402	1.12402	0.00002	0.00005	0.00164	1.14047
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	0.00008	0.00003	0.00235	0.00055	0.00001	0.00004	0.00053	0.00056	0.00004	0.00014	0.00018	—	1.73331	1.73331	0.00003	0.00027	0.00165	1.81584

3.2. Site Preparation (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63178	3.05170	27.9724	28.2794	0.04891	1.17173	—	1.17173	1.07799	—	1.07799	—	5,297.82	5,297.82	0.21490	0.04298	—	5,316.00
Dust From Material Movement	—	—	—	—	—	—	19.6570	19.6570	—	10.1024	10.1024	—	—	—	—	—	—	—
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	0.04975	0.04180	0.38318	0.38739	0.00067	0.01605	—	0.01605	0.01477	—	0.01477	—	72.5729	72.5729	0.00294	0.00059	—	72.8219
Dust From Material Movement	—	—	—	—	—	—	0.26927	0.26927	—	0.13839	0.13839	—	—	—	—	—	—	—
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	0.00908	0.00763	0.06993	0.07070	0.00012	0.00293	—	0.00293	0.00269	—	0.00269	—	12.0153	12.0153	0.00049	0.00010	—	12.0565
Dust From Material Movement	—	—	—	—	—	—	0.04914	0.04914	—	0.02526	0.02526	—	—	—	—	—	—	—
Onsite truck	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

3.2.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06164	0.06010	0.05020	0.61678	0.00000	0.00000	0.14701	0.14701	0.00000	0.03446	0.03446	—	141.034	141.034	0.00386	0.00613	0.01266	142.970
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00084	0.00082	0.00061	0.00870	0.00000	0.00000	0.00200	0.00200	0.00000	0.00047	0.00047	—	1.98017	1.98017	0.00004	0.00008	0.00289	2.00915
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	0.00015	0.00015	0.00011	0.00159	0.00000	0.00000	0.00037	0.00037	0.00000	0.00009	0.00009	—	0.32784	0.32784	0.00001	0.00001	0.00048	0.33264
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

3.3. Grading (2027)

3.3.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.88795	1.58640	14.2321	17.2743	0.02733	0.59767	—	0.59767	0.54986	—	0.54986	—	2,960.07	2,960.07	0.12007	0.02401	—	2,970.23
Dust From Material Movement	—	—	—	—	—	—	7.08259	7.08259	—	3.42474	3.42474	—	—	—	—	—	—	—
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	0.04138	0.03477	0.31194	0.37862	0.00060	0.01310	—	0.01310	0.01205	—	0.01205	—	64.8783	64.8783	0.00263	0.00053	—	65.1009
Dust From Material Movement	—	—	—	—	—	—	0.15523	0.15523	—	0.07506	0.07506	—	—	—	—	—	—	—
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	0.00755	0.00635	0.05693	0.06910	0.00011	0.00239	—	0.00239	0.00220	—	0.00220	—	10.7413	10.7413	0.00044	0.00009	—	10.7782
Dust From Material Movement	—	—	—	—	—	—	0.02833	0.02833	—	0.01370	0.01370	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05284	0.05152	0.04303	0.52867	0.00000	0.00000	0.12601	0.12601	0.00000	0.02954	0.02954	—	120.887	120.887	0.00331	0.00525	0.01085	122.546
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00116	0.00113	0.00084	0.01193	0.00000	0.00000	0.00275	0.00275	0.00000	0.00064	0.00064	—	2.71567	2.71567	0.00006	0.00012	0.00397	2.75541
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	0.00021	0.00021	0.00015	0.00218	0.00000	0.00000	0.00050	0.00050	0.00000	0.00012	0.00012	—	0.44961	0.44961	0.00001	0.00002	0.00066	0.45619
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

3.4. Building Construction (2027)

3.4.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	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	0.76109	0.63687	5.80731	8.00077	0.01447	0.20814	—	0.20814	0.19149	—	0.19149	—	1,482.34	1,482.34	0.06013	0.01203	—	1,487.43
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	0.13890	0.11623	1.05983	1.46014	0.00264	0.03798	—	0.03798	0.03495	—	0.03495	—	245.419	245.419	0.00996	0.00199	—	246.261

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
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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	0.49920	0.45873	0.27272	5.51785	0.00000	0.00000	1.03567	1.03567	0.00000	0.24276	0.24276	—	1,098.89	1,098.89	0.01903	0.04047	3.44744	1,114.87
Vendor	0.02943	0.01738	0.64625	0.21808	0.00403	0.00807	0.15347	0.16153	0.00807	0.04240	0.05047	—	547.257	547.257	0.01073	0.08422	1.20550	573.827
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	0.43427	0.42340	0.35366	4.34506	0.00000	0.00000	1.03567	1.03567	0.00000	0.24276	0.24276	—	993.556	993.556	0.02718	0.04319	0.08919	1,007.19
Vendor	0.02854	0.01693	0.69004	0.22605	0.00403	0.00807	0.15347	0.16153	0.00807	0.04240	0.05047	—	547.753	547.753	0.01073	0.08422	0.03120	573.149
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	0.26855	0.26183	0.19367	2.76561	0.00000	0.00000	0.63675	0.63675	0.00000	0.14920	0.14920	—	629.737	629.737	0.01345	0.02671	0.92019	638.952
Vendor	0.01793	0.01047	0.41789	0.13705	0.00249	0.00499	0.09444	0.09943	0.00499	0.02610	0.03109	—	338.550	338.550	0.00663	0.05208	0.32102	354.556
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	0.04901	0.04778	0.03535	0.50472	0.00000	0.00000	0.11621	0.11621	0.00000	0.02723	0.02723	—	104.260	104.260	0.00223	0.00442	0.15235	105.786
Vendor	0.00327	0.00191	0.07627	0.02501	0.00046	0.00091	0.01724	0.01815	0.00091	0.00476	0.00567	—	56.0508	56.0508	0.00110	0.00862	0.05315	58.7008
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. Building Construction (2028)

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01623	0.01358	0.12226	0.17720	0.00032	0.00411	—	0.00411	0.00378	—	0.00378	—	32.8419	32.8419	0.00133	0.00027	—	32.9546
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	0.00296	0.00248	0.02231	0.03234	0.00006	0.00075	—	0.00075	0.00069	—	0.00069	—	5.43735	5.43735	0.00022	0.00004	—	5.45601
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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41253	0.36934	0.31591	4.06147	0.00000	0.00000	1.03567	1.03567	0.00000	0.24276	0.24276	—	974.487	974.487	0.02446	0.04319	0.07995	988.049
Vendor	0.02451	0.01649	0.66274	0.21621	0.00403	0.00807	0.15347	0.16153	0.00807	0.04240	0.05047	—	534.526	534.526	0.01073	0.08018	0.02717	558.715
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	0.00569	0.00510	0.00422	0.05672	0.00000	0.00000	0.01411	0.01411	0.00000	0.00330	0.00330	—	13.6811	13.6811	0.00030	0.00055	0.01823	13.8720
Vendor	0.00033	0.00023	0.00888	0.00291	0.00006	0.00011	0.00209	0.00220	0.00011	0.00058	0.00069	—	7.31827	7.31827	0.00015	0.00109	0.00619	7.65365
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	0.00104	0.00093	0.00077	0.01035	0.00000	0.00000	0.00257	0.00257	0.00000	0.00060	0.00060	—	2.26507	2.26507	0.00005	0.00009	0.00302	2.29667
Vendor	0.00006	0.00004	0.00162	0.00053	0.00001	0.00002	0.00038	0.00040	0.00002	0.00011	0.00013	—	1.21162	1.21162	0.00002	0.00018	0.00103	1.26715
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. Paving (2028)

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.74648	0.62588	5.84990	8.80025	0.01296	0.21041	—	0.21041	0.19358	—	0.19358	—	1,350.28	1,350.28	0.05477	0.01095	—	1,354.92
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03681	0.03087	0.28849	0.43398	0.00064	0.01038	—	0.01038	0.00955	—	0.00955	—	66.5892	66.5892	0.00270	0.00054	—	66.8177
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	0.00672	0.00563	0.05265	0.07920	0.00012	0.00189	—	0.00189	0.00174	—	0.00174	—	11.0246	11.0246	0.00045	0.00009	—	11.0624
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

3.6.2. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06692	0.05992	0.05125	0.65888	0.00000	0.00000	0.16801	0.16801	0.00000	0.03938	0.03938	—	158.089	158.089	0.00397	0.00701	0.01297	160.289

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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00332	0.00298	0.00246	0.03312	0.00000	0.00000	0.00824	0.00824	0.00000	0.00193	0.00193	—	7.99005	7.99005	0.00017	0.00032	0.01065	8.10153
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	0.00061	0.00054	0.00045	0.00605	0.00000	0.00000	0.00150	0.00150	0.00000	0.00035	0.00035	—	1.32284	1.32284	0.00003	0.00005	0.00176	1.34130
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

3.7. Architectural Coating (2028)

3.7.1. Onsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12985	0.10731	0.80814	1.11833	0.00173	0.01536	—	0.01536	0.01413	—	0.01413	—	133.517	133.517	0.00542	0.00108	—	133.975
Architectural Coatings	88.1202	88.1202	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00640	0.00529	0.03985	0.05515	0.00009	0.00076	—	0.00076	0.00070	—	0.00070	—	6.58440	6.58440	0.00027	0.00005	—	6.60700
Architectural Coatings	4.34565	4.34565	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.00117	0.00097	0.00727	0.01006	0.00002	0.00014	—	0.00014	0.00013	—	0.00013	—	1.09012	1.09012	0.00004	0.00001	—	1.09386
Architectural Coatings	0.79308	0.79308	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

3.7.2. Offsite - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08251	0.07387	0.06318	0.81229	0.00000	0.00000	0.20713	0.20713	0.00000	0.04855	0.04855	—	194.897	194.897	0.00489	0.00864	0.01599	197.610
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00410	0.00367	0.00304	0.04084	0.00000	0.00000	0.01016	0.01016	0.00000	0.00238	0.00238	—	9.85042	9.85042	0.00021	0.00040	0.01313	9.98786
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	0.00075	0.00067	0.00055	0.00745	0.00000	0.00000	0.00185	0.00185	0.00000	0.00043	0.00043	—	1.63085	1.63085	0.00004	0.00007	0.00217	1.65360
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	3.47472	3.22427	2.77984	26.5267	0.06513	0.05033	5.67041	5.72074	0.04727	1.44204	1.48931	—	6,645.01	6,645.01	0.24686	0.29356	19.0656	6,757.73
User Defined Retail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
User Defined Recreational	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.47472	3.22427	2.77984	26.5267	0.06513	0.05033	5.67041	5.72074	0.04727	1.44204	1.48931	—	6,645.01	6,645.01	0.24686	0.29356	19.0656	6,757.73

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	3.23805	2.97535	3.20576	23.1885	0.06040	0.05037	5.67041	5.72078	0.04731	1.44204	1.48934	—	6,166.04	6,166.04	0.27977	0.31730	0.49435	6,268.08
User Defined Retail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
User Defined Recreational	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	3.23805	2.97535	3.20576	23.1885	0.06040	0.05037	5.67041	5.72078	0.04731	1.44204	1.48934	—	6,166.04	6,166.04	0.27977	0.31730	0.49435	6,268.08
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.56188	0.51754	0.52436	4.01367	0.01067	0.00874	0.97812	0.98685	0.00820	0.24877	0.25697	—	988.112	988.112	0.04145	0.04822	1.29567	1,004.81
User Defined Retail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
User Defined Recreational	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Total	0.56188	0.51754	0.52436	4.01367	0.01067	0.00874	0.97812	0.98685	0.00820	0.24877	0.25697	—	988.112	988.112	0.04145	0.04822	1.29567	1,004.81

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	414.069	414.069	0.06699	0.00812	—	418.164
User Defined Retail	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	414.069	414.069	0.06699	0.00812	—	418.164
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	414.069	414.069	0.06699	0.00812	—	418.164
User Defined Retail	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	414.069	414.069	0.06699	0.00812	—	418.164
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	68.5539	68.5539	0.01109	0.00134	—	69.2318
User Defined Retail	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	—	68.5539	68.5539	0.01109	0.00134	—	69.2318

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.06683	0.03342	0.57111	0.24303	0.00365	0.04618	—	0.04618	0.04618	—	0.04618	—	724.928	724.928	0.06416	0.00137	—	726.938
User Defined Retail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
User Defined Recreational	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.06683	0.03342	0.57111	0.24303	0.00365	0.04618	—	0.04618	0.04618	—	0.04618	—	724.928	724.928	0.06416	0.00137	—	726.938
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.06683	0.03342	0.57111	0.24303	0.00365	0.04618	—	0.04618	0.04618	—	0.04618	—	724.928	724.928	0.06416	0.00137	—	726.938
User Defined Retail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
User Defined Recreational	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.06683	0.03342	0.57111	0.24303	0.00365	0.04618	—	0.04618	0.04618	—	0.04618	—	724.928	724.928	0.06416	0.00137	—	726.938
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.01220	0.00610	0.10423	0.04435	0.00067	0.00843	—	0.00843	0.00843	—	0.00843	—	120.020	120.020	0.01062	0.00023	—	120.353
User Defined Retail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000

User Defined Recreational	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000	0.00000	—	0.00000	—	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	0.01220	0.00610	0.10423	0.04435	0.00067	0.00843	—	0.00843	0.00843	—	0.00843	—	120.020	120.020	0.01062	0.00023	—	120.353

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	8.40159	4.15551	1.96408	37.5942	0.12945	5.39358	—	5.39358	5.19733	—	5.19733	891.268	1,726.58	2,617.85	4.19901	0.00325	—	2,723.79
Consumer Products	5.51029	5.51029	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.50879	0.50879	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.97792	0.92310	0.09385	10.0035	0.00044	0.00557	—	0.00557	0.00420	—	0.00420	—	27.6850	27.6850	0.00116	0.00023	—	27.7826
Total	15.3986	11.0977	2.05793	47.5978	0.12989	5.39915	—	5.39915	5.20153	—	5.20153	891.268	1,754.27	2,645.54	4.20016	0.00348	—	2,751.58
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	8.40159	4.15551	1.96408	37.5942	0.12945	5.39358	—	5.39358	5.19733	—	5.19733	891.268	1,726.58	2,617.85	4.19901	0.00325	—	2,723.79
Consumer Products	5.51029	5.51029	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.50879	0.50879	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	14.4207	10.1746	1.96408	37.5942	0.12945	5.39358	—	5.39358	5.19733	—	5.19733	891.268	1,726.58	2,617.85	4.19901	0.00325	—	2,723.79
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.34447	0.17038	0.08053	1.54136	0.00531	0.22114	—	0.22114	0.21309	—	0.21309	33.1504	64.2196	97.3699	0.15618	0.00012	—	101.310
Consumer Products	1.00563	1.00563	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09286	0.09286	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.08801	0.08308	0.00845	0.90032	0.00004	0.00050	—	0.00050	0.00038	—	0.00038	—	2.26039	2.26039	0.00009	0.00002	—	2.26836
Total	1.53096	1.35194	0.08897	2.44168	0.00535	0.22164	—	0.22164	0.21347	—	0.21347	33.1504	66.4800	99.6303	0.15627	0.00014	—	103.579

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	12.7822	13.7657	26.5479	1.31290	0.03141	—	68.7309
User Defined Retail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000

User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	12.7822	13.7657	26.5479	1.31290	0.03141	—	68.7309
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	12.7822	13.7657	26.5479	1.31290	0.03141	—	68.7309
User Defined Retail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	12.7822	13.7657	26.5479	1.31290	0.03141	—	68.7309
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.11625	2.27906	4.39531	0.21737	0.00520	—	11.3792
User Defined Retail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	2.11625	2.27906	4.39531	0.21737	0.00520	—	11.3792

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	65.3937	0.00000	65.3937	6.53586	0.00000	—	228.790
User Defined Retail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	65.3937	0.00000	65.3937	6.53586	0.00000	—	228.790
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	65.3937	0.00000	65.3937	6.53586	0.00000	—	228.790
User Defined Retail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	65.3937	0.00000	65.3937	6.53586	0.00000	—	228.790
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	10.8267	0.00000	10.8267	1.08209	0.00000	—	37.8788
User Defined Retail	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
User Defined Recreational	—	—	—	—	—	—	—	—	—	—	—	0.00000	0.00000	0.00000	0.00000	0.00000	—	0.00000
Total	—	—	—	—	—	—	—	—	—	—	—	10.8267	0.00000	10.8267	1.08209	0.00000	—	37.8788

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73169	1.73169
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73169	1.73169
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73169	1.73169
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.73169	1.73169
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28670	0.28670
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28670	0.28670

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)

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cupressus sempervirens	—	0.00001	0.00004	—	0.00001	0.00002	0.00002	0.00004	0.00001	0.00001	0.00001	—	0.27738	0.27738	—	—	—	0.27738
Pinus canariensis	—	0.00002	0.00006	—	0.00001	0.00003	0.00003	0.00005	0.00001	0.00001	0.00001	—	0.37800	0.37800	—	—	—	0.37800
ACER RUBRUM	—	-0.00015	-0.00046	—	-0.00010	-0.00024	-0.00024	-0.00048	-0.00007	-0.00007	-0.00013	—	-3.08527	-3.08527	—	—	—	-3.08527
ARBUTUS UNEDO	—	-0.00035	-0.00108	—	-0.00025	-0.00048	-0.00048	-0.00096	-0.00013	-0.00013	-0.00026	—	-7.22625	-7.22625	—	—	—	-7.22625

ARCTO — MANZANITA	—	-0.00040	-0.00124	—	-0.00028	-0.00055	-0.00055	-0.00110	-0.00015	-0.00015	-0.00030	—	-8.27596	-8.27596	—	—	—	-8.2759
CERCIS — CANADENSIS	—	-0.00018	-0.00055	—	-0.00012	-0.00029	-0.00029	-0.00057	-0.00008	-0.00008	-0.00016	—	-3.67065	-3.67065	—	—	—	-3.67065
CERCIS — CANADENSIS TEXENSIS	—	-0.00005	-0.00014	—	-0.00003	-0.00008	-0.00008	-0.00015	-0.00002	-0.00002	-0.00004	—	-0.96596	-0.96596	—	—	—	-0.96596
CHILOP — SIS LINEARI S	—	-0.00002	-0.00005	—	-0.00001	-0.00002	-0.00002	-0.00005	-0.00001	-0.00001	-0.00001	—	-0.32853	-0.32853	—	—	—	-0.32853
GEIJER — A PARVIF LORA	—	-0.00004	-0.00012	—	-0.00003	-0.00006	-0.00006	-0.00012	-0.00002	-0.00002	-0.00003	—	-0.80923	-0.80923	—	—	—	-0.80923
MAGNO — LIA GRANDI FLORA	—	-0.00019	-0.00059	—	-0.00013	-0.00026	-0.00026	-0.00052	-0.00007	-0.00007	-0.00014	—	-3.93942	-3.93942	—	—	—	-3.93942
OLEA — EUROPAEA	—	-0.00001	-0.00004	—	-0.00001	-0.00002	-0.00002	-0.00003	> -0.000005	> -0.000005	-0.00001	—	-0.25134	-0.25134	—	—	—	-0.25134
PODOC — ARPUS GRACIL IOR	—	-0.00035	-0.00107	—	-0.00025	-0.00048	-0.00048	-0.00096	-0.00013	-0.00013	-0.00026	—	-7.17514	-7.17514	—	—	—	-7.17514
QUERC — US PALUST RIS	—	-0.00002	-0.00007	—	-0.00002	-0.00004	-0.00004	-0.00007	-0.00001	-0.00001	-0.00002	—	-0.45690	-0.45690	—	—	—	-0.45690
THUJA — PLICATA	—	-0.00002	-0.00005	—	-0.00001	-0.00002	-0.00002	-0.00005	-0.00001	-0.00001	-0.00001	—	-0.32853	-0.32853	—	—	—	-0.32853
Subtotal	—	-0.00175	-0.00536	—	-0.00122	-0.00249	-0.00249	-0.00497	-0.00068	-0.00068	-0.00136	—	-35.8578	-35.8578	—	—	—	-35.8578
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Cupressus sempervirens	—	—	—	—	—	—	—	—	—	—	—	—	0.69003	0.69003	—	—	—	0.69003
Pinus canariensis	—	—	—	—	—	—	—	—	—	—	—	—	0.34826	0.34826	—	—	—	0.34826
ACER RUBRUM	—	—	—	—	—	—	—	—	—	—	—	—	-16.5370	-16.5370	—	—	—	-16.5370
ARBUTUS UNEDO	—	—	—	—	—	—	—	—	—	—	—	—	-8.64022	-8.64022	—	—	—	-8.64022
ARCTOSTAPHYLOS MANZANITA	—	—	—	—	—	—	—	—	—	—	—	—	-13.3754	-13.3754	—	—	—	-13.3754
CERCIS CANADENSIS	—	—	—	—	—	—	—	—	—	—	—	—	-5.63786	-5.63786	—	—	—	-5.63786
CERCIS CANADENSIS TEXENSIS	—	—	—	—	—	—	—	—	—	—	—	—	-1.48364	-1.48364	—	—	—	-1.48364
CHILOPSIS LINEARIS	—	—	—	—	—	—	—	—	—	—	—	—	-0.19547	-0.19547	—	—	—	-0.19547
GEIJERA PARVIFLORA	—	—	—	—	—	—	—	—	—	—	—	—	-6.43740	-6.43740	—	—	—	-6.43740
MAGNOLIA GRANDIFLORA	—	—	—	—	—	—	—	—	—	—	—	—	-10.9113	-10.9113	—	—	—	-10.9113
OLEA EUROPAEA	—	—	—	—	—	—	—	—	—	—	—	—	-0.34840	-0.34840	—	—	—	-0.34840

PODOC ARPUS GRACIL IOR	—	—	—	—	—	—	—	—	—	—	—	—	-11.1746	-11.1746	—	—	—	-11.1746
QUERCUS PALUSTRIS	—	—	—	—	—	—	—	—	—	—	—	—	-1.82280	-1.82280	—	—	—	-1.82280
THUJA PLICATA	—	—	—	—	—	—	—	—	—	—	—	—	-0.19547	-0.19547	—	—	—	-0.19547
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-75.7213	-75.7213	—	—	—	-75.7213
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cupressus sempervirens	—	—	0.00034	—	0.00009	0.00015	0.00015	0.00031	0.00004	0.00004	0.00008	—	—	—	—	—	—	—
Pinus canariensis	—	—	0.00036	—	0.00009	0.00015	0.00015	0.00030	0.00004	0.00004	0.00008	—	—	—	—	—	—	—
ACER RUBRUM	—	—	-0.00388	—	-0.00103	-0.00114	-0.00114	-0.00228	-0.00031	-0.00031	-0.00062	—	—	—	—	—	—	—
ARBUTUS UNEDO	—	—	-0.00673	—	-0.00181	-0.00247	-0.00247	-0.00495	-0.00067	-0.00067	-0.00135	—	—	—	—	—	—	—
ARCTOSTAPHYLOS MANZANITA	—	—	-0.00802	—	-0.00215	-0.00301	-0.00301	-0.00602	-0.00082	-0.00082	-0.00164	—	—	—	—	—	—	—
CERCIS CANADENSIS	—	—	-0.00420	—	-0.00119	-0.00078	-0.00078	-0.00155	-0.00021	-0.00021	-0.00042	—	—	—	—	—	—	—
CERCIS CANADENSIS TEXENSIS	—	—	-0.00110	—	-0.00031	-0.00020	-0.00020	-0.00041	-0.00006	-0.00006	-0.00011	—	—	—	—	—	—	—

CHILOP SIS LINEARI S	—	—	-0.00038	—	-0.00010	-0.00018	-0.00018	-0.00035	-0.00005	-0.00005	-0.00010	—	—	—	—	—	—	—
GEIJER A PARVIF LORA	—	—	-0.00175	—	-0.00046	-0.00071	-0.00071	-0.00142	-0.00019	-0.00019	-0.00039	—	—	—	—	—	—	—
MAGNO LIA GRANDI FLORA	—	—	-0.00589	—	-0.00151	-0.00315	-0.00315	-0.00629	-0.00086	-0.00086	-0.00172	—	—	—	—	—	—	—
OLEA EUROPAEA	—	—	-0.00027	—	-0.00007	-0.00011	-0.00011	-0.00023	-0.00003	-0.00003	-0.00006	—	—	—	—	—	—	—
PODOC ARPUS GRACIL IOR	—	—	-0.00757	—	-0.00202	-0.00293	-0.00293	-0.00586	-0.00080	-0.00080	-0.00160	—	—	—	—	—	—	—
QUERC US PALUST RIS	—	—	-0.00094	—	-0.00026	-0.00022	-0.00022	-0.00045	-0.00006	-0.00006	-0.00012	—	—	—	—	—	—	—
THUJA PLICATA	—	—	-0.00038	—	-0.00010	-0.00018	-0.00018	-0.00035	-0.00005	-0.00005	-0.00010	—	—	—	—	—	—	—
Subtotal	—	—	-0.04039	—	-0.01081	-0.01478	-0.01478	-0.02956	-0.00403	-0.00403	-0.00805	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.00175	-0.04574	—	-0.01204	-0.01727	-0.01727	-0.03453	-0.00470	-0.00470	-0.00941	—	-111.579	-111.579	—	—	—	-111.579
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cupress us semperv irens	—	0.00001	0.00004	—	0.00001	0.00002	0.00002	0.00004	0.00001	0.00001	0.00001	—	0.27738	0.27738	—	—	—	0.27738

Pinus canariensis	—	0.00002	0.00006	—	0.00001	0.00003	0.00003	0.00005	0.00001	0.00001	0.00001	—	0.37800	0.37800	—	—	—	0.37800
ACER RUBRUM	—	-0.00015	-0.00046	—	-0.00010	-0.00024	-0.00024	-0.00048	-0.00007	-0.00007	-0.00013	—	-3.08527	-3.08527	—	—	—	-3.08527
ARBUTUS UNEDO	—	-0.00035	-0.00108	—	-0.00025	-0.00048	-0.00048	-0.00096	-0.00013	-0.00013	-0.00026	—	-7.22625	-7.22625	—	—	—	-7.22625
ARCTOSTAPHYLOS MANZANITA	—	-0.00040	-0.00124	—	-0.00028	-0.00055	-0.00055	-0.00110	-0.00015	-0.00015	-0.00030	—	-8.27596	-8.27596	—	—	—	-8.27596
CERCIS CANADENSIS	—	-0.00018	-0.00055	—	-0.00012	-0.00029	-0.00029	-0.00057	-0.00008	-0.00008	-0.00016	—	-3.67065	-3.67065	—	—	—	-3.67065
CERCIS CANADENSIS TEXENSIS	—	-0.00005	-0.00014	—	-0.00003	-0.00008	-0.00008	-0.00015	-0.00002	-0.00002	-0.00004	—	-0.96596	-0.96596	—	—	—	-0.96596
CHILOPSIS LINEARIS	—	-0.00002	-0.00005	—	-0.00001	-0.00002	-0.00002	-0.00005	-0.00001	-0.00001	-0.00001	—	-0.32853	-0.32853	—	—	—	-0.32853
GEIJERA PARVIFLORA	—	-0.00004	-0.00012	—	-0.00003	-0.00006	-0.00006	-0.00012	-0.00002	-0.00002	-0.00003	—	-0.80923	-0.80923	—	—	—	-0.80923
MAGNOLIA GRANDIFLORA	—	-0.00019	-0.00059	—	-0.00013	-0.00026	-0.00026	-0.00052	-0.00007	-0.00007	-0.00014	—	-3.93942	-3.93942	—	—	—	-3.93942
OLEA EUROPAEA	—	-0.00001	-0.00004	—	-0.00001	-0.00002	-0.00002	-0.00003	> -0.000005	> -0.000005	-0.00001	—	-0.25134	-0.25134	—	—	—	-0.25134
PODOCARPUS GRACILIOR	—	-0.00035	-0.00107	—	-0.00025	-0.00048	-0.00048	-0.00096	-0.00013	-0.00013	-0.00026	—	-7.17514	-7.17514	—	—	—	-7.17514

QUERCUS PALUSTRIS	—	-0.00002	-0.00007	—	-0.00002	-0.00004	-0.00004	-0.00007	-0.00001	-0.00001	-0.00002	—	-0.45690	-0.45690	—	—	—	-0.45690
THUJA PLICATA	—	-0.00002	-0.00005	—	-0.00001	-0.00002	-0.00002	-0.00005	-0.00001	-0.00001	-0.00001	—	-0.32853	-0.32853	—	—	—	-0.32853
Subtotal	—	-0.00175	-0.00536	—	-0.00122	-0.00249	-0.00249	-0.00497	-0.00068	-0.00068	-0.00136	—	-35.8578	-35.8578	—	—	—	-35.8578
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cupressus sempervirens	—	—	—	—	—	—	—	—	—	—	—	—	0.69003	0.69003	—	—	—	0.69003
Pinus canariensis	—	—	—	—	—	—	—	—	—	—	—	—	0.34826	0.34826	—	—	—	0.34826
ACER RUBRUM	—	—	—	—	—	—	—	—	—	—	—	—	-16.5370	-16.5370	—	—	—	-16.5370
ARBUTUS UNEDO	—	—	—	—	—	—	—	—	—	—	—	—	-8.64022	-8.64022	—	—	—	-8.64022
ARCTOSTAPHYLOS MANZANITA	—	—	—	—	—	—	—	—	—	—	—	—	-13.3754	-13.3754	—	—	—	-13.3754
CERCIS CANADENSIS	—	—	—	—	—	—	—	—	—	—	—	—	-5.63786	-5.63786	—	—	—	-5.63786
CERCIS CANADENSIS TEXENSIS	—	—	—	—	—	—	—	—	—	—	—	—	-1.48364	-1.48364	—	—	—	-1.48364
CHILOPSIS LINEARIS	—	—	—	—	—	—	—	—	—	—	—	—	-0.19547	-0.19547	—	—	—	-0.19547

GEIJER A PARVIF LORA	—	—	—	—	—	—	—	—	—	—	—	—	-6.43740	-6.43740	—	—	—	-6.43740
MAGNO LIA GRANDI FLORA	—	—	—	—	—	—	—	—	—	—	—	—	-10.9113	-10.9113	—	—	—	-10.9113
OLEA EUROPAEA	—	—	—	—	—	—	—	—	—	—	—	—	-0.34840	-0.34840	—	—	—	-0.34840
PODOC ARPUS GRACIL IOR	—	—	—	—	—	—	—	—	—	—	—	—	-11.1746	-11.1746	—	—	—	-11.1746
QUERC US PALUST RIS	—	—	—	—	—	—	—	—	—	—	—	—	-1.82280	-1.82280	—	—	—	-1.82280
THUJA PLICATA	—	—	—	—	—	—	—	—	—	—	—	—	-0.19547	-0.19547	—	—	—	-0.19547
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-75.7213	-75.7213	—	—	—	-75.7213
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cupress us semperv irens	—	—	0.00034	—	0.00009	0.00015	0.00015	0.00031	0.00004	0.00004	0.00008	—	—	—	—	—	—	—
Pinus canariensis	—	—	0.00036	—	0.00009	0.00015	0.00015	0.00030	0.00004	0.00004	0.00008	—	—	—	—	—	—	—
ACER RUBRUM	—	—	-0.00388	—	-0.00103	-0.00114	-0.00114	-0.00228	-0.00031	-0.00031	-0.00062	—	—	—	—	—	—	—
ARBUT US UNEDO	—	—	-0.00673	—	-0.00181	-0.00247	-0.00247	-0.00495	-0.00067	-0.00067	-0.00135	—	—	—	—	—	—	—

ARCTO STAPHY LOS MANZA	—	—	-0.00802	—	-0.00215	-0.00301	-0.00301	-0.00602	-0.00082	-0.00082	-0.00164	—	—	—	—	—	—	—
CERCIS CANADENSIS	—	—	-0.00420	—	-0.00119	-0.00078	-0.00078	-0.00155	-0.00021	-0.00021	-0.00042	—	—	—	—	—	—	—
CERCIS CANADENSIS TEXENSIS	—	—	-0.00110	—	-0.00031	-0.00020	-0.00020	-0.00041	-0.00006	-0.00006	-0.00011	—	—	—	—	—	—	—
CHILOP SIS LINEARI S	—	—	-0.00038	—	-0.00010	-0.00018	-0.00018	-0.00035	-0.00005	-0.00005	-0.00010	—	—	—	—	—	—	—
GEIJER A PARVIF LORA	—	—	-0.00175	—	-0.00046	-0.00071	-0.00071	-0.00142	-0.00019	-0.00019	-0.00039	—	—	—	—	—	—	—
MAGNO LIA GRANDI FLORA	—	—	-0.00589	—	-0.00151	-0.00315	-0.00315	-0.00629	-0.00086	-0.00086	-0.00172	—	—	—	—	—	—	—
OLEA EUROPAEA	—	—	-0.00027	—	-0.00007	-0.00011	-0.00011	-0.00023	-0.00003	-0.00003	-0.00006	—	—	—	—	—	—	—
PODOC ARPUS GRACIL IOR	—	—	-0.00757	—	-0.00202	-0.00293	-0.00293	-0.00586	-0.00080	-0.00080	-0.00160	—	—	—	—	—	—	—
QUERC US PALUST RIS	—	—	-0.00094	—	-0.00026	-0.00022	-0.00022	-0.00045	-0.00006	-0.00006	-0.00012	—	—	—	—	—	—	—
THUJA PLICATA	—	—	-0.00038	—	-0.00010	-0.00018	-0.00018	-0.00035	-0.00005	-0.00005	-0.00010	—	—	—	—	—	—	—
Subtotal	—	—	-0.04039	—	-0.01081	-0.01478	-0.01478	-0.02956	-0.00403	-0.00403	-0.00805	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.00175	-0.04574	—	-0.01204	-0.01727	-0.01727	-0.03453	-0.00470	-0.00470	-0.00941	—	-111.579	-111.579	—	—	—	-111.579

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cupressus sempervirens	—	< 0.000005	0.00001	—	< 0.000005	< 0.000005	< 0.000005	0.00001	< 0.000005	< 0.000005	< 0.000005	—	0.04592	0.04592	—	—	—	0.04592
Pinus canariensis	—	< 0.000005	0.00001	—	< 0.000005	< 0.000005	< 0.000005	0.00001	< 0.000005	< 0.000005	< 0.000005	—	0.06258	0.06258	—	—	—	0.06258
ACER RUBRUM	—	-0.00003	-0.00008	—	-0.00002	-0.00004	-0.00004	-0.00009	-0.00001	-0.00001	-0.00002	—	-0.51080	-0.51080	—	—	—	-0.51080
ARBUTUS UNEDO	—	-0.00006	-0.00020	—	-0.00005	-0.00009	-0.00009	-0.00018	-0.00002	-0.00002	-0.00005	—	-1.19639	-1.19639	—	—	—	-1.19639
ARCTOSTAPHYLOS MANZANITA	—	-0.00007	-0.00023	—	-0.00005	-0.00010	-0.00010	-0.00020	-0.00003	-0.00003	-0.00005	—	-1.37018	-1.37018	—	—	—	-1.37018
CERCIS CANADENSIS	—	-0.00003	-0.00010	—	-0.00002	-0.00005	-0.00005	-0.00010	-0.00001	-0.00001	-0.00003	—	-0.60772	-0.60772	—	—	—	-0.60772
CERCIS CANADENSIS TEXENSIS	—	-0.00001	-0.00003	—	-0.00001	-0.00001	-0.00001	-0.00003	> -0.000005	> -0.000005	-0.00001	—	-0.15993	-0.15993	—	—	—	-0.15993
CHILOPSIS LINEARIS	—	> -0.000005	-0.00001	—	> -0.000005	> -0.000005	> -0.000005	-0.00001	> -0.000005	> -0.000005	> -0.000005	—	-0.05439	-0.05439	—	—	—	-0.05439
GEIJERA PARVIFLORA	—	-0.00001	-0.00002	—	-0.00001	-0.00001	-0.00001	-0.00002	> -0.000005	> -0.000005	-0.00001	—	-0.13398	-0.13398	—	—	—	-0.13398
MAGNOLIA GRANDIFLORA	—	-0.00004	-0.00011	—	-0.00002	-0.00005	-0.00005	-0.00010	-0.00001	-0.00001	-0.00003	—	-0.65222	-0.65222	—	—	—	-0.65222
OLEA EUROPAEA	—	> -0.000005	-0.00001	—	> -0.000005	> -0.000005	> -0.000005	-0.00001	> -0.000005	> -0.000005	> -0.000005	—	-0.04161	-0.04161	—	—	—	-0.04161

PODOC GRACILIOR	—	-0.00006	-0.00020	—	-0.00004	-0.00009	-0.00009	-0.00017	-0.00002	-0.00002	-0.00005	—	-1.18793	-1.18793	—	—	—	-1.1879
QUERCUS PALUSTRIS	—	> -0.000005	-0.00001	—	> -0.000005	-0.00001	-0.00001	-0.00001	> -0.000005	> -0.000005	> -0.000005	—	-0.07564	-0.07564	—	—	—	-0.07564
THUJA PLICATA	—	> -0.000005	-0.00001	—	> -0.000005	> -0.000005	> -0.000005	-0.00001	> -0.000005	> -0.000005	> -0.000005	—	-0.05439	-0.05439	—	—	—	-0.05439
Subtotal	—	-0.00032	-0.00098	—	-0.00022	-0.00045	-0.00045	-0.00091	-0.00012	-0.00012	-0.00025	—	-5.93667	-5.93667	—	—	—	-5.93667
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cupressus sempervirens	—	—	—	—	—	—	—	—	—	—	—	—	0.11424	0.11424	—	—	—	0.11424
Pinus canariensis	—	—	—	—	—	—	—	—	—	—	—	—	0.05766	0.05766	—	—	—	0.05766
ACER RUBRUM	—	—	—	—	—	—	—	—	—	—	—	—	-2.73788	-2.73788	—	—	—	-2.73788
ARBUTUS UNEDO	—	—	—	—	—	—	—	—	—	—	—	—	-1.43049	-1.43049	—	—	—	-1.43049
ARCTOSTAPHYLOS MANZANITA	—	—	—	—	—	—	—	—	—	—	—	—	-2.21446	-2.21446	—	—	—	-2.21446
CERCIS CANADENSIS	—	—	—	—	—	—	—	—	—	—	—	—	-0.93341	-0.93341	—	—	—	-0.93341
CERCIS CANADENSIS TEXENSIS	—	—	—	—	—	—	—	—	—	—	—	—	-0.24563	-0.24563	—	—	—	-0.24563
CHILOPSIS LINEARIS	—	—	—	—	—	—	—	—	—	—	—	—	-0.03236	-0.03236	—	—	—	-0.03236

GEIJER PARVIFLORA	—	—	—	—	—	—	—	—	—	—	—	—	-1.06578	-1.06578	—	—	—	-1.0657
MAGNO LIA GRANDI FLORA	—	—	—	—	—	—	—	—	—	—	—	—	-1.80649	-1.80649	—	—	—	-1.80649
OLEA EUROPAEA	—	—	—	—	—	—	—	—	—	—	—	—	-0.05768	-0.05768	—	—	—	-0.05768
PODOC ARPUS GRACIL IOR	—	—	—	—	—	—	—	—	—	—	—	—	-1.85008	-1.85008	—	—	—	-1.85008
QUERC US PALUST RIS	—	—	—	—	—	—	—	—	—	—	—	—	-0.30179	-0.30179	—	—	—	-0.30179
THUJA PLICATA	—	—	—	—	—	—	—	—	—	—	—	—	-0.03236	-0.03236	—	—	—	-0.03236
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-12.5365	-12.5365	—	—	—	-12.5365
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cupress us semperv irens	—	—	0.00006	—	0.00002	0.00003	0.00003	0.00006	0.00001	0.00001	0.00002	—	—	—	—	—	—	—
Pinus canariensis	—	—	0.00006	—	0.00002	0.00003	0.00003	0.00006	0.00001	0.00001	0.00002	—	—	—	—	—	—	—
ACER RUBRUM	—	—	-0.00071	—	-0.00019	-0.00021	-0.00021	-0.00042	-0.00006	-0.00006	-0.00011	—	—	—	—	—	—	—
ARBUT US UNEDO	—	—	-0.00123	—	-0.00033	-0.00045	-0.00045	-0.00090	-0.00012	-0.00012	-0.00025	—	—	—	—	—	—	—
ARCTO STAPHY LOS MANZA NITA	—	—	-0.00146	—	-0.00039	-0.00055	-0.00055	-0.00110	-0.00015	-0.00015	-0.00030	—	—	—	—	—	—	—

CERCIS CANADENSIS	—	—	-0.00077	—	-0.00022	-0.00014	-0.00014	-0.00028	-0.00004	-0.00004	-0.00008	—	—	—	—	—	—	—
CERCIS CANADENSIS TEXENSIS	—	—	-0.00020	—	-0.00006	-0.00004	-0.00004	-0.00007	-0.00001	-0.00001	-0.00002	—	—	—	—	—	—	—
CHILOP SIS LINEARI S	—	—	-0.00007	—	-0.00002	-0.00003	-0.00003	-0.00006	-0.00001	-0.00001	-0.00002	—	—	—	—	—	—	—
GEIJER A PARVIF LORA	—	—	-0.00032	—	-0.00008	-0.00013	-0.00013	-0.00026	-0.00004	-0.00004	-0.00007	—	—	—	—	—	—	—
MAGNO LIA GRANDI FLORA	—	—	-0.00108	—	-0.00028	-0.00057	-0.00057	-0.00115	-0.00016	-0.00016	-0.00031	—	—	—	—	—	—	—
OLEA EUROPAEA	—	—	-0.00005	—	-0.00001	-0.00002	-0.00002	-0.00004	-0.00001	-0.00001	-0.00001	—	—	—	—	—	—	—
PODOC ARPUS GRACIL IOR	—	—	-0.00138	—	-0.00037	-0.00054	-0.00054	-0.00107	-0.00015	-0.00015	-0.00029	—	—	—	—	—	—	—
QUERC US PALUST RIS	—	—	-0.00017	—	-0.00005	-0.00004	-0.00004	-0.00008	-0.00001	-0.00001	-0.00002	—	—	—	—	—	—	—
THUJA PLICATA	—	—	-0.00007	—	-0.00002	-0.00003	-0.00003	-0.00006	-0.00001	-0.00001	-0.00002	—	—	—	—	—	—	—
Subtotal	—	—	-0.00737	—	-0.00197	-0.00270	-0.00270	-0.00539	-0.00073	-0.00073	-0.00147	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.00032	-0.00835	—	-0.00220	-0.00315	-0.00315	-0.00630	-0.00086	-0.00086	-0.00172	—	-18.4732	-18.4732	—	—	—	-18.4732

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2027	1/29/2027	5.00000	20.0000	—
Site Preparation	Site Preparation	1/30/2027	2/6/2027	5.00000	5.00000	—
Grading	Grading	2/7/2027	2/18/2027	5.00000	8.00000	—
Building Construction	Building Construction	2/19/2027	1/7/2028	5.00000	230.000	—
Paving	Paving	1/8/2028	2/2/2028	5.00000	18.0000	—
Architectural Coating	Architectural Coating	2/3/2028	2/28/2028	5.00000	18.0000	—

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
Demolition	Rubber Tired Dozers	Diesel	Average	2.00000	8.00000	367.000	0.40000
Demolition	Concrete/Industrial Saws	Diesel	Average	1.000000	8.00000	33.0000	0.73000
Demolition	Excavators	Diesel	Average	3.00000	8.00000	36.0000	0.38000
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00000	8.00000	367.000	0.40000
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Average	4.00000	8.00000	84.0000	0.37000
Grading	Graders	Diesel	Average	1.000000	8.00000	148.000	0.41000
Grading	Excavators	Diesel	Average	1.000000	8.00000	36.0000	0.38000
Grading	Tractors/Loaders/Back hoes	Diesel	Average	3.00000	8.00000	84.0000	0.37000
Grading	Rubber Tired Dozers	Diesel	Average	1.000000	8.00000	367.000	0.40000
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	Welders	Diesel	Average	1.000000	8.00000	46.0000	0.45000

Building Construction	Tractors/Loaders/Back	Diesel	Average	3.00000	7.00000	84.0000	0.37000
Paving	Tractors/Loaders/Back hoes	Diesel	Average	1.000000	8.00000	84.0000	0.37000
Paving	Cement and Mortar Mixers	Diesel	Average	2.00000	6.00000	10.00000	0.56000
Paving	Pavers	Diesel	Average	1.000000	8.00000	81.0000	0.42000
Paving	Paving Equipment	Diesel	Average	2.00000	6.00000	89.0000	0.36000
Paving	Rollers	Diesel	Average	2.00000	6.00000	36.0000	0.38000
Architectural Coating	Air Compressors	Diesel	Average	1.000000	6.00000	37.0000	0.48000

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	Worker	15.0000	11.8900	LDA,LDT1,LDT2
Demolition	Vendor	—	9.10000	HHDT,MHDT
Demolition	Hauling	2.85000	20.0000	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	Worker	17.5000	11.8900	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10000	HHDT,MHDT
Site Preparation	Hauling	0.00000	20.0000	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	Worker	15.0000	11.8900	LDA,LDT1,LDT2
Grading	Vendor	—	9.10000	HHDT,MHDT
Grading	Hauling	0.00000	20.0000	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	Worker	123.284	11.8900	LDA,LDT1,LDT2
Building Construction	Vendor	20.1052	9.10000	HHDT,MHDT
Building Construction	Hauling	0.00000	20.0000	HHDT

Building Construction	Onsite truck	—	—	HHDT
Paving	Worker	20.0000	11.8900	LDA,LDT1,LDT2
Paving	Vendor	—	9.10000	HHDT,MHDT
Paving	Hauling	0.00000	20.0000	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	Worker	24.6567	11.8900	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10000	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

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	489,621	163,207	23,553.0	7,851.00	—

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00000	0.00000	0.00000	4,946.00	0.00000
Site Preparation	—	—	7.50000	0.00000	0.00000
Grading	—	—	8.00000	0.00000	0.00000
Paving	0.00000	0.00000	0.00000	0.00000	2.20000

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Phase Name	Land Use	Area Paved (acres)	% Asphalt
Paving	Apartments Mid Rise	2.20000	0%
Paving	User Defined Retail	0.00000	0%
Paving	User Defined Recreational	0.00000	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	203.983	0.03300	0.00400
2028	0.00000	203.983	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
Apartments Mid Rise	892.160	805.240	670.760	309,562	7,963.67	7,187.80	5,987.39	2,763,235
User Defined Retail	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
User Defined Recreational	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

5.10. Operational Area Sources

5.10.1. Hearths

Land Use	Hearth Type	Unmitigated (number)	Mitigated (number)
Apartments Mid Rise	Wood Fireplaces	0	0
Apartments Mid Rise	Gas Fireplaces	82	82
Apartments Mid Rise	Propane Fireplaces	0	0
Apartments Mid Rise	Electric Fireplaces	0	0
Apartments Mid Rise	No Fireplaces	82	82
Apartments Mid Rise	Conventional Wood Stoves	0	0
Apartments Mid Rise	Catalytic Wood Stoves	8	8
Apartments Mid Rise	Non-Catalytic Wood Stoves	8	8
Apartments Mid Rise	Pellet Wood Stoves	0	0
User Defined Retail	Wood Fireplaces	0	0
User Defined Retail	Gas Fireplaces	0	0
User Defined Retail	Propane Fireplaces	0	0
User Defined Retail	Electric Fireplaces	0	0
User Defined Retail	No Fireplaces	0	0
User Defined Retail	Conventional Wood Stoves	0	0
User Defined Retail	Catalytic Wood Stoves	0	0
User Defined Retail	Non-Catalytic Wood Stoves	0	0
User Defined Retail	Pellet Wood Stoves	0	0
User Defined Recreational	Wood Fireplaces	0	0
User Defined Recreational	Gas Fireplaces	0	0
User Defined Recreational	Propane Fireplaces	0	0
User Defined Recreational	Electric Fireplaces	0	0
User Defined Recreational	No Fireplaces	0	0
User Defined Recreational	Conventional Wood Stoves	0	0
User Defined Recreational	Catalytic Wood Stoves	0	0
User Defined Recreational	Non-Catalytic Wood Stoves	0	0
User Defined Recreational	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)
489,621	163,207	23,553.0	7,851.00	58,438.0

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)
Apartments Mid Rise	740,921	203.983	0.0330	0.0040	2,261,969
User Defined Retail	0.00000	203.983	0.0330	0.0040	0.00000
User Defined Recreational	0.00000	203.983	0.0330	0.0040	0.00000

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	6,670,499	1,657,602
User Defined Retail	0.00000	0.00000
User Defined Recreational	0.00000	0.00000

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	121.338	0.00000
User Defined Retail	0.00000	0.00000
User Defined Recreational	0.00000	0.00000

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088.00	0.00225	2.50000	2.50000	10.00000
Apartments Mid Rise	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)
ACER RUBRUM	26.0000	84,991.8	92.5000
ARBUTUS UNEDO	54.0000	160,219	361.500
ARCTOSTAPHYLOS MANZANITA	52.0000	183,051	415.700
CERCIS CANADENSIS	38.0000	101,061	110.200
CERCIS CANADENSIS TEXENSIS	10.00000	26,594.9	29.0000
CHILOPSIS LINEARIS	8.00000	7,899.80	14.1000
GEIJERA PARVIFLORA	20.0000	21,345.1	27.8000
MAGNOLIA GRANDIFLORA	36.0000	87,015.7	198.300
OLEA EUROPAEA	2.00000	5,557.20	12.6000
PODOCARPUS GRACILIOR	52.0000	159,126	358.800
QUERCUS PALUSTRIS	4.00000	12,583.2	13.7000
THUJA PLICATA	6.00000	7,899.80	14.1000

Cupressus sempervirens	-4.00000	6,471.20	12.7000
Pinus canariensis	-3.00000	8,442.00	18.7000

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	22.2800	annual days of extreme heat
Extreme Precipitation	1.50000	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00000	annual hectares burned

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

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A

Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

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

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	60.9334
AQ-PM	53.8643
AQ-DPM	63.3852
Drinking Water	99.7252
Lead Risk Housing	15.4127
Pesticides	88.4828
Toxic Releases	41.5104
Traffic	74.5250
Effect Indicators	—
CleanUp Sites	54.2553
Groundwater	14.3118
Haz Waste Facilities/Generators	72.5877
Impaired Water Bodies	72.1546
Solid Waste	38.9920
Sensitive Population	—
Asthma	80.3215
Cardio-vascular	86.3659
Low Birth Weights	41.9297
Socioeconomic Factor Indicators	—
Education	49.1901
Housing	22.6869
Linguistic	38.1378
Poverty	39.2085
Unemployment	82.3269

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	49.87809573
Employed	42.16604645
Median HI	65.17387399
Education	—
Bachelor's or higher	40.3567304
High school enrollment	100
Preschool enrollment	18.15732067
Transportation	—
Auto Access	81.29090209
Active commuting	12.06210702
Social	—
2-parent households	73.1682279
Voting	48.12010779
Neighborhood	—
Alcohol availability	61.8760426
Park access	46.5161042
Retail density	16.80995765
Supermarket access	36.49428975
Tree canopy	30.21942769
Housing	—
Homeownership	72.97574747
Housing habitability	62.64596433
Low-inc homeowner severe housing cost burden	44.32182728
Low-inc renter severe housing cost burden	43.28243295

Uncrowded housing	39.5996407
Health Outcomes	—
Insured adults	78.05723085
Arthritis	69.6
Asthma ER Admissions	17.3
High Blood Pressure	51.5
Cancer (excluding skin)	63.4
Asthma	43.1
Coronary Heart Disease	79.3
Chronic Obstructive Pulmonary Disease	62.6
Diagnosed Diabetes	76.6
Life Expectancy at Birth	21.6
Cognitively Disabled	26.7
Physically Disabled	33.4
Heart Attack ER Admissions	10.3
Mental Health Not Good	47.3
Chronic Kidney Disease	79.8
Obesity	40.5
Pedestrian Injuries	88.1
Physical Health Not Good	59.3
Stroke	80.6
Health Risk Behaviors	—
Binge Drinking	19.3
Current Smoker	42.3
No Leisure Time for Physical Activity	51.3
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	6.8
Elderly	80.7
English Speaking	44.8
Foreign-born	33.8
Outdoor Workers	41.5
Climate Change Adaptive Capacity	—
Impervious Surface Cover	67.7
Traffic Density	68.4
Traffic Access	0.0
Other Indices	—
Hardship	56.0
Other Decision Support	—
2016 Voting	42.8

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0000
Healthy Places Index Score for Project Location (b)	51.0000
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

8.1. Justifications

Screen	Justification
Land Use	The Proposed Project includes an apartment complex, community building, and commercial building.

8.3. Land Use

Model Parameter	Units	Default Value	New Value
Lot Area	acre	4.31579	4.56000
Building Area	sq. ft	157,440	241,788
Landscape Area	sq. ft	—	96,624.0
Building Area	sq. ft	0.00000	13,913.0
Landscape Area	sq. ft	—	0.00000
Building Area	sq. ft	0.00000	1,789.00
Landscape Area	sq. ft	—	0.00000