

Appendix D Air Quality and Greenhouse Gas Emissions Modeling Data

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Clearwater SP 2025 Existing Conditions Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Clearwater SP 2025 Existing Conditions
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.30
Precipitation (days)	17.4
Location	33.900227, -118.161999
County	Los Angeles-South Coast
City	Paramount
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4877
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

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
Movie Theater (No Matinee)	47.8	1000sqft	4.10	47,840	0.00	0.00	—	—

Regional Shopping Center	16.6	1000sqft	10.2	16,555	0.00	0.00	—	Shopping Center w/o Fast Food
Unrefrigerated Warehouse-No Rail	86.7	1000sqft	6.60	86,714	0.00	0.00	—	—
Parking Lot	10.0	Acre	10.0	0.00	0.00	0.00	—	Swap Meet Vendor Area
Parking Lot	23.1	Acre	23.1	0.00	0.00	0.00	—	Swap Meet Parking

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	59.6	54.6	38.0	424	0.95	0.71	85.3	86.1	0.66	21.7	22.3	278	100,484	100,762	33.1	4.09	356	103,166
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	57.8	52.8	41.4	386	0.91	0.70	85.3	86.0	0.66	21.7	22.3	278	96,397	96,675	33.4	4.30	9.60	98,799
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	58.2	53.2	41.9	400	0.92	0.71	84.4	85.1	0.66	21.4	22.1	278	97,510	97,788	33.3	4.31	154	100,059
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.6	9.70	7.64	73.0	0.17	0.13	15.4	15.5	0.12	3.91	4.03	46.0	16,144	16,190	5.52	0.71	25.5	16,566

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	54.5	49.6	36.9	417	0.95	0.62	85.3	86.0	0.58	21.7	22.3	—	96,782	96,782	4.83	3.87	356	98,412
Area	5.01	4.92	0.06	6.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.0	27.0	< 0.005	< 0.005	—	27.1
Energy	0.11	0.06	1.03	0.86	0.01	0.08	—	0.08	0.08	—	0.08	—	3,411	3,411	0.32	0.03	—	3,427
Water	—	—	—	—	—	—	—	—	—	—	—	77.6	263	341	7.98	0.19	—	598
Waste	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.38	0.38
Total	59.6	54.6	38.0	424	0.95	0.71	85.3	86.1	0.66	21.7	22.3	278	100,484	100,762	33.1	4.09	356	103,166
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	53.9	48.9	40.4	385	0.91	0.62	85.3	86.0	0.58	21.7	22.3	—	92,722	92,722	5.06	4.08	9.23	94,073
Area	3.84	3.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.11	0.06	1.03	0.86	0.01	0.08	—	0.08	0.08	—	0.08	—	3,411	3,411	0.32	0.03	—	3,427
Water	—	—	—	—	—	—	—	—	—	—	—	77.6	263	341	7.98	0.19	—	598
Waste	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.38	0.38
Total	57.8	52.8	41.4	386	0.91	0.70	85.3	86.0	0.66	21.7	22.3	278	96,397	96,675	33.4	4.30	9.60	98,799
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	53.5	48.5	40.8	395	0.92	0.62	84.4	85.0	0.58	21.4	22.0	—	93,817	93,817	5.02	4.09	154	95,314
Area	4.64	4.58	0.04	4.50	< 0.005	0.01	—	0.01	0.01	—	0.01	—	18.5	18.5	< 0.005	< 0.005	—	18.6
Energy	0.11	0.06	1.03	0.86	0.01	0.08	—	0.08	0.08	—	0.08	—	3,411	3,411	0.32	0.03	—	3,427
Water	—	—	—	—	—	—	—	—	—	—	—	77.6	263	341	7.98	0.19	—	598
Waste	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.38	0.38
Total	58.2	53.2	41.9	400	0.92	0.71	84.4	85.1	0.66	21.4	22.1	278	97,510	97,788	33.3	4.31	154	100,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.76	8.86	7.45	72.0	0.17	0.11	15.4	15.5	0.11	3.91	4.02	—	15,532	15,532	0.83	0.68	25.4	15,780
Area	0.85	0.84	0.01	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.06	3.06	< 0.005	< 0.005	—	3.08
Energy	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	565	565	0.05	< 0.005	—	567
Water	—	—	—	—	—	—	—	—	—	—	—	12.8	43.6	56.4	1.32	0.03	—	98.9
Waste	—	—	—	—	—	—	—	—	—	—	—	33.2	0.00	33.2	3.31	0.00	—	116
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	10.6	9.70	7.64	73.0	0.17	0.13	15.4	15.5	0.12	3.91	4.03	46.0	16,144	16,190	5.52	0.71	25.5	16,566

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	29.2	26.6	19.6	221	0.50	0.33	45.2	45.5	0.31	11.5	11.8	—	51,253	51,253	2.58	2.06	188	52,119

Unrefrig erated	1.57	1.43	1.05	11.9	0.03	0.02	2.42	2.44	0.02	0.62	0.63	—	2,748	2,748	0.14	0.11	10.1	2,795
Parking Lot	23.7	21.6	16.2	183	0.42	0.27	37.7	38.0	0.25	9.59	9.84	—	42,781	42,781	2.12	1.70	157	43,498
Total	54.5	49.6	36.9	417	0.95	0.62	85.3	86.0	0.58	21.7	22.3	—	96,782	96,782	4.83	3.87	356	98,412
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regiona l Shoppin g Center	28.9	26.3	21.5	205	0.48	0.33	45.2	45.5	0.31	11.5	11.8	—	49,105	49,105	2.70	2.17	4.88	49,823
Unrefrig erated Wareho use-No Rail	1.55	1.41	1.15	11.0	0.03	0.02	2.42	2.44	0.02	0.62	0.63	—	2,633	2,633	0.14	0.12	0.26	2,672
Parking Lot	23.4	21.2	17.8	169	0.40	0.27	37.7	38.0	0.26	9.59	9.84	—	40,985	40,985	2.21	1.79	4.08	41,578
Total	53.9	48.9	40.4	385	0.91	0.62	85.3	86.0	0.58	21.7	22.3	—	92,722	92,722	5.06	4.08	9.23	94,073
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regiona l Shoppin g Center	5.23	4.76	3.96	38.3	0.09	0.06	8.15	8.21	0.06	2.07	2.13	—	8,226	8,226	0.44	0.36	13.5	8,358

Unrefrigerated Warehouse-No	0.28	0.25	0.21	2.05	< 0.005	< 0.005	0.44	0.44	< 0.005	0.11	0.11	—	441	441	0.02	0.02	0.72	448
Parking Lot	4.25	3.85	3.27	31.7	0.07	0.05	6.81	6.86	0.05	1.73	1.78	—	6,866	6,866	0.36	0.30	11.3	6,975
Total	9.76	8.86	7.45	72.0	0.17	0.11	15.4	15.5	0.11	3.91	4.02	—	15,532	15,532	0.83	0.68	25.4	15,780

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	438	438	0.04	0.01	—	441
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	155	155	0.01	< 0.005	—	156
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	388	388	0.04	< 0.005	—	390
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,206	1,206	0.11	0.01	—	1,213
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,188	2,188	0.21	0.03	—	2,200

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	438	438	0.04	0.01	—	441
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	155	155	0.01	< 0.005	—	156
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	388	388	0.04	< 0.005	—	390
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,206	1,206	0.11	0.01	—	1,213
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,188	2,188	0.21	0.03	—	2,200
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	72.6	72.6	0.01	< 0.005	—	73.0
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	25.7	25.7	< 0.005	< 0.005	—	25.9
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	64.2	64.2	0.01	< 0.005	—	64.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	200	200	0.02	< 0.005	—	201
Total	—	—	—	—	—	—	—	—	—	—	—	—	362	362	0.03	< 0.005	—	364

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	656	656	0.06	< 0.005	—	658
Regional Shopping Center	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9
Unrefrigerated Warehouse-No Rail	0.05	0.02	0.45	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	536	536	0.05	< 0.005	—	537
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.11	0.06	1.03	0.86	0.01	0.08	—	0.08	0.08	—	0.08	—	1,224	1,224	0.11	< 0.005	—	1,227
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	656	656	0.06	< 0.005	—	658
Regional Shopping Center	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9

Unrefrig erated	0.05	0.02	0.45	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	536	536	0.05	< 0.005	—	537
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.11	0.06	1.03	0.86	0.01	0.08	—	0.08	0.08	—	0.08	—	1,224	1,224	0.11	< 0.005	—	1,227
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	0.01	< 0.005	—	109
Regiona l Shoppin g Center	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.26	5.26	< 0.005	< 0.005	—	5.27
Unrefrig erated Wareho use-No Rail	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	88.7	88.7	0.01	< 0.005	—	88.9
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	203	203	0.02	< 0.005	—	203

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

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

Consumer Products	3.35	3.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.49	0.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.17	1.08	0.06	6.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.0	27.0	< 0.005	< 0.005	—	27.1
Total	5.01	4.92	0.06	6.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.0	27.0	< 0.005	< 0.005	—	27.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.35	3.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.49	0.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.84	3.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.61	0.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.15	0.13	0.01	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.06	3.06	< 0.005	< 0.005	—	3.08

Total	0.85	0.84	0.01	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.06	3.06	< 0.005	< 0.005	—	3.08
-------	------	------	------	------	---------	---------	---	---------	---------	---	---------	---	------	------	---------	---------	---	------

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	36.8	125	162	3.79	0.09	—	284
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	2.35	7.97	10.3	0.24	0.01	—	18.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	38.4	130	169	3.95	0.10	—	296
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	77.6	263	341	7.98	0.19	—	598
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	36.8	125	162	3.79	0.09	—	284

Regional	—	—	—	—	—	—	—	—	—	—	—	2.35	7.97	10.3	0.24	0.01	—	18.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	38.4	130	169	3.95	0.10	—	296
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	77.6	263	341	7.98	0.19	—	598
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	6.10	20.7	26.8	0.63	0.02	—	46.9
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.39	1.32	1.71	0.04	< 0.005	—	3.00
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	6.36	21.6	27.9	0.65	0.02	—	49.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	12.8	43.6	56.4	1.32	0.03	—	98.9

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	147	0.00	147	14.7	0.00	—	514
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	9.37	0.00	9.37	0.94	0.00	—	32.8
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	43.9	0.00	43.9	4.39	0.00	—	154
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	147	0.00	147	14.7	0.00	—	514
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	9.37	0.00	9.37	0.94	0.00	—	32.8
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	43.9	0.00	43.9	4.39	0.00	—	154
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	24.3	0.00	24.3	2.43	0.00	—	85.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.55	0.00	1.55	0.16	0.00	—	5.43
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	7.27	0.00	7.27	0.73	0.00	—	25.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	33.2	0.00	33.2	3.31	0.00	—	116

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.38	0.38
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.38	0.38
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	7,870	7,870	7,870	2,872,550	63,716	63,716	63,716	23,256,352
Unrefrigerated Warehouse-No Rail	422	422	422	154,030	3,417	3,417	3,417	1,247,037
Parking Lot	6,316	6,316	6,316	2,305,389	53,240	53,240	53,240	19,432,666
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	226,664	75,555	86,510

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

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)
Movie Theater (No Matinee)	458,916	349	0.0330	0.0040	2,047,645
Regional Shopping Center	162,593	349	0.0330	0.0040	99,114
Unrefrigerated Warehouse-No Rail	405,853	349	0.0330	0.0040	1,671,512
Parking Lot	381,586	349	0.0330	0.0040	0.00
Parking Lot	881,463	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Movie Theater (No Matinee)	19,212,614	0.00
Regional Shopping Center	1,226,271	0.00
Unrefrigerated Warehouse-No Rail	20,052,613	0.00
Parking Lot	0.00	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Movie Theater (No Matinee)	273	—
Regional Shopping Center	17.4	—
Unrefrigerated Warehouse-No Rail	81.5	—
Parking Lot	0.00	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Movie Theater (No Matinee)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Movie Theater (No Matinee)	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Movie Theater (No Matinee)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
----------------	-----------	-------------	----------------	---------------	------------	-------------

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
----------------	-----------

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
--------------------------	----------------------	---------------	-------------

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
--------------------	---------------	-------------

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

Screen	Justification
Land Use	Existing Conditions land uses. Commercial uses (shopping center, swap meet vendor area, warehouse/retail) modeled as regional shopping center.
Operations: Vehicle Data	Trip rates for regional shopping center and warehouse adjusted based on Ganddini's Transportation Impact Assessment. Movie theater trips assigned to shopping center land use. Internal capture modeled as pass-by trips. Estimated swap meet trips assigned to swap meet vendor area.

Clearwater SP 2045 Existing Conditions Custom Report

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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

5.10.1.1. Unmitigated

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

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Clearwater SP 2045 Existing Conditions
Operational Year	2045
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.30
Precipitation (days)	17.4
Location	33.900227, -118.161999
County	Los Angeles-South Coast
City	Paramount
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4877
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

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
Movie Theater (No Matinee)	47.8	1000sqft	4.10	47,840	0.00	0.00	—	—

Regional Shopping Center	16.6	1000sqft	10.2	16,555	0.00	0.00	—	Shopping Center w/o Fast Food
Unrefrigerated Warehouse-No Rail	86.7	1000sqft	6.60	86,714	0.00	0.00	—	—
Parking Lot	10.0	Acre	10.0	0.00	0.00	0.00	—	Swap Meet Vendor Area
Parking Lot	23.1	Acre	23.1	0.00	0.00	0.00	—	Swap Meet Parking

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	36.4	33.8	17.7	263	0.75	0.35	85.1	85.4	0.33	21.6	21.9	278	78,350	78,628	30.7	2.69	18.6	80,218
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	35.2	32.7	19.3	235	0.71	0.34	85.1	85.4	0.32	21.6	21.9	278	75,049	75,327	30.8	2.82	0.85	76,939
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	35.7	33.1	19.4	246	0.72	0.35	84.1	84.5	0.33	21.4	21.7	278	75,948	76,226	30.8	2.83	8.23	77,847
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.51	6.05	3.54	44.9	0.13	0.06	15.4	15.4	0.06	3.90	3.96	46.0	12,574	12,620	5.10	0.47	1.36	12,888

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.2	28.8	16.6	256	0.74	0.26	85.1	85.4	0.25	21.6	21.8	—	75,266	75,266	2.42	2.48	18.2	76,083
Area	5.01	4.92	0.06	6.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.0	27.0	< 0.005	< 0.005	—	27.1
Energy	0.11	0.06	1.03	0.86	0.01	0.08	—	0.08	0.08	—	0.08	—	2,860	2,860	0.32	0.03	—	2,876
Water	—	—	—	—	—	—	—	—	—	—	—	77.6	197	275	7.98	0.19	—	531
Waste	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.38	0.38
Total	36.4	33.8	17.7	263	0.75	0.35	85.1	85.4	0.33	21.6	21.9	278	78,350	78,628	30.7	2.69	18.6	80,218
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.2	28.8	18.2	234	0.71	0.26	85.1	85.4	0.25	21.6	21.8	—	71,992	71,992	2.51	2.60	0.47	72,831
Area	3.84	3.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.11	0.06	1.03	0.86	0.01	0.08	—	0.08	0.08	—	0.08	—	2,860	2,860	0.32	0.03	—	2,876
Water	—	—	—	—	—	—	—	—	—	—	—	77.6	197	275	7.98	0.19	—	531
Waste	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.38	0.38
Total	35.2	32.7	19.3	235	0.71	0.34	85.1	85.4	0.32	21.6	21.9	278	75,049	75,327	30.8	2.82	0.85	76,939
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	30.9	28.5	18.3	241	0.72	0.26	84.1	84.4	0.25	21.4	21.6	—	72,872	72,872	2.49	2.61	7.85	73,720
Area	4.64	4.58	0.04	4.50	< 0.005	0.01	—	0.01	0.01	—	0.01	—	18.5	18.5	< 0.005	< 0.005	—	18.6
Energy	0.11	0.06	1.03	0.86	0.01	0.08	—	0.08	0.08	—	0.08	—	2,860	2,860	0.32	0.03	—	2,876
Water	—	—	—	—	—	—	—	—	—	—	—	77.6	197	275	7.98	0.19	—	531
Waste	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.38	0.38
Total	35.7	33.1	19.4	246	0.72	0.35	84.1	84.5	0.33	21.4	21.7	278	75,948	76,226	30.8	2.83	8.23	77,847
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.64	5.20	3.34	43.9	0.13	0.05	15.4	15.4	0.04	3.90	3.94	—	12,065	12,065	0.41	0.43	1.30	12,205
Area	0.85	0.84	0.01	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.06	3.06	< 0.005	< 0.005	—	3.08
Energy	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	474	474	0.05	< 0.005	—	476
Water	—	—	—	—	—	—	—	—	—	—	—	12.8	32.6	45.5	1.32	0.03	—	88.0
Waste	—	—	—	—	—	—	—	—	—	—	—	33.2	0.00	33.2	3.31	0.00	—	116
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	6.51	6.05	3.54	44.9	0.13	0.06	15.4	15.4	0.06	3.90	3.96	46.0	12,574	12,620	5.10	0.47	1.36	12,888

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	16.8	15.5	8.87	136	0.39	0.14	45.0	45.2	0.13	11.4	11.6	—	39,859	39,859	1.29	1.32	9.62	40,294

Unrefrig erated	0.90	0.83	0.48	7.28	0.02	0.01	2.42	2.42	0.01	0.61	0.62	—	2,137	2,137	0.07	0.07	0.52	2,161
Parking Lot	13.6	12.5	7.30	113	0.33	0.12	37.6	37.8	0.11	9.55	9.66	—	33,270	33,270	1.06	1.09	8.04	33,628
Total	31.2	28.8	16.6	256	0.74	0.26	85.1	85.4	0.25	21.6	21.8	—	75,266	75,266	2.42	2.48	18.2	76,083
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regiona l Shoppin g Center	16.7	15.4	9.72	124	0.37	0.14	45.0	45.2	0.13	11.4	11.6	—	38,126	38,126	1.34	1.39	0.25	38,573
Unrefrig erated Wareho use-No Rail	0.90	0.83	0.52	6.67	0.02	0.01	2.42	2.42	0.01	0.61	0.62	—	2,044	2,044	0.07	0.07	0.01	2,068
Parking Lot	13.6	12.5	8.00	103	0.31	0.12	37.6	37.8	0.11	9.55	9.66	—	31,821	31,821	1.10	1.14	0.21	32,190
Total	31.2	28.8	18.2	234	0.71	0.26	85.1	85.4	0.25	21.6	21.8	—	71,992	71,992	2.51	2.60	0.47	72,831
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Regiona l Shoppin g Center	3.03	2.79	1.78	23.3	0.07	0.03	8.13	8.15	0.02	2.06	2.09	—	6,389	6,389	0.22	0.23	0.69	6,464

Unrefrigerated Warehouse-No	0.16	0.15	0.10	1.25	< 0.005	< 0.005	0.44	0.44	< 0.005	0.11	0.11	—	343	343	0.01	0.01	0.04	347
Parking Lot	2.46	2.26	1.47	19.3	0.06	0.02	6.79	6.81	0.02	1.72	1.74	—	5,333	5,333	0.18	0.19	0.57	5,394
Total	5.64	5.20	3.34	43.9	0.13	0.05	15.4	15.4	0.04	3.90	3.94	—	12,065	12,065	0.41	0.43	1.30	12,205

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	328	328	0.04	0.01	—	330
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	116	116	0.01	< 0.005	—	117
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	290	290	0.04	< 0.005	—	292
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	902	902	0.11	0.01	—	909
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,636	1,636	0.21	0.03	—	1,649

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	328	328	0.04	0.01	—	330
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	116	116	0.01	< 0.005	—	117
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	290	290	0.04	< 0.005	—	292
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	902	902	0.11	0.01	—	909
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,636	1,636	0.21	0.03	—	1,649
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	54.3	54.3	0.01	< 0.005	—	54.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	19.2	19.2	< 0.005	< 0.005	—	19.4
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	48.0	48.0	0.01	< 0.005	—	48.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	149	149	0.02	< 0.005	—	151
Total	—	—	—	—	—	—	—	—	—	—	—	—	271	271	0.03	< 0.005	—	273

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	656	656	0.06	< 0.005	—	658
Regional Shopping Center	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9
Unrefrigerated Warehouse-No Rail	0.05	0.02	0.45	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	536	536	0.05	< 0.005	—	537
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.11	0.06	1.03	0.86	0.01	0.08	—	0.08	0.08	—	0.08	—	1,224	1,224	0.11	< 0.005	—	1,227
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.06	0.03	0.55	0.46	< 0.005	0.04	—	0.04	0.04	—	0.04	—	656	656	0.06	< 0.005	—	658
Regional Shopping Center	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.8	31.8	< 0.005	< 0.005	—	31.9

Unrefrig erated	0.05	0.02	0.45	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	536	536	0.05	< 0.005	—	537
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.11	0.06	1.03	0.86	0.01	0.08	—	0.08	0.08	—	0.08	—	1,224	1,224	0.11	< 0.005	—	1,227
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	0.01	0.01	0.10	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	109	109	0.01	< 0.005	—	109
Regiona l Shoppin g Center	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.26	5.26	< 0.005	< 0.005	—	5.27
Unrefrig erated Wareho use-No Rail	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	88.7	88.7	0.01	< 0.005	—	88.9
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.19	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	203	203	0.02	< 0.005	—	203

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

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

Consumer Products	3.35	3.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.49	0.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.17	1.08	0.06	6.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.0	27.0	< 0.005	< 0.005	—	27.1
Total	5.01	4.92	0.06	6.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.0	27.0	< 0.005	< 0.005	—	27.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	3.35	3.35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.49	0.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.84	3.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.61	0.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.15	0.14	0.01	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.06	3.06	< 0.005	< 0.005	—	3.08

Total	0.85	0.84	0.01	0.82	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.06	3.06	< 0.005	< 0.005	—	3.08
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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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	36.8	93.4	130	3.79	0.09	—	252
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	2.35	5.96	8.31	0.24	0.01	—	16.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	38.4	97.5	136	3.95	0.10	—	263
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	77.6	197	275	7.98	0.19	—	531
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	36.8	93.4	130	3.79	0.09	—	252

Regional	—	—	—	—	—	—	—	—	—	—	—	2.35	5.96	8.31	0.24	0.01	—	16.1
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	38.4	97.5	136	3.95	0.10	—	263
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	77.6	197	275	7.98	0.19	—	531
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	6.10	15.5	21.6	0.63	0.02	—	41.7
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	0.39	0.99	1.38	0.04	< 0.005	—	2.66
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	6.36	16.1	22.5	0.65	0.02	—	43.6
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	12.8	32.6	45.5	1.32	0.03	—	88.0

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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	147	0.00	147	14.7	0.00	—	514
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	9.37	0.00	9.37	0.94	0.00	—	32.8
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	43.9	0.00	43.9	4.39	0.00	—	154
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	147	0.00	147	14.7	0.00	—	514
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	9.37	0.00	9.37	0.94	0.00	—	32.8
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	43.9	0.00	43.9	4.39	0.00	—	154
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	200	0.00	200	20.0	0.00	—	701
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	24.3	0.00	24.3	2.43	0.00	—	85.1
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	1.55	0.00	1.55	0.16	0.00	—	5.43
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	7.27	0.00	7.27	0.73	0.00	—	25.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	33.2	0.00	33.2	3.31	0.00	—	116

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30

Regional Shopping	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.38	0.38
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30	0.30
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08	0.08
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.38	0.38
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regional Shopping Center	7,870	7,870	7,870	2,872,550	63,716	63,716	63,716	23,256,352
Unrefrigerated Warehouse-No Rail	422	422	422	154,030	3,417	3,417	3,417	1,247,037
Parking Lot	6,316	6,316	6,316	2,305,389	53,240	53,240	53,240	19,432,666
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	226,664	75,555	86,510

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

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)
Movie Theater (No Matinee)	458,916	261	0.0330	0.0040	2,047,645
Regional Shopping Center	162,593	261	0.0330	0.0040	99,114
Unrefrigerated Warehouse-No Rail	405,853	261	0.0330	0.0040	1,671,512
Parking Lot	381,586	261	0.0330	0.0040	0.00
Parking Lot	881,463	261	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Movie Theater (No Matinee)	19,212,614	0.00
Regional Shopping Center	1,226,271	0.00
Unrefrigerated Warehouse-No Rail	20,052,613	0.00
Parking Lot	0.00	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Movie Theater (No Matinee)	273	—
Regional Shopping Center	17.4	—
Unrefrigerated Warehouse-No Rail	81.5	—
Parking Lot	0.00	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Movie Theater (No Matinee)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Movie Theater (No Matinee)	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Movie Theater (No Matinee)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
----------------	-----------

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
--------------------	---------------	-------------

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

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

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Clearwater 2045 Project
Operational Year	2045
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.30
Precipitation (days)	17.4
Location	33.90023323109875, -118.16242880788175
County	Los Angeles-South Coast
City	Paramount
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4877
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

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
Condo/Townhouse	200	Dwelling Unit	2.43	202,165	0.00	0.00	460	Townhouse
Apartments Mid Rise	1,800	Dwelling Unit	14.4	1,647,835	315,810	0.00	4,140	—

Regional Shopping Center	180	1000sqft	0.00	180,000	0.00	0.00	—	Commercial Shopping Center
Research & Development	800	1000sqft	13.1	800,000	0.00	0.00	—	Neoindustrial
Movie Theater (No Matinee)	50.0	1000sqft	4.10	50,000	0.00	0.00	—	—
Enclosed Parking with Elevator	5.00	Acre	5.00	217,800	0.00	0.00	—	—
Road Construction	1.10	Mile	10.0	0.00	0.00	—	—	—
Parking Lot	4.80	Acre	4.80	0.00	108,900	0.00	—	Swap Meet Vendor Area and Stormwater Planting Area

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Transportation	T-1	Increase Residential Density
Transportation	T-3	Provide Transit-Oriented Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	126	120	67.6	443	1.41	3.82	130	134	3.79	33.0	36.8	1,868	169,103	170,971	195	6.14	64.3	177,746
Mit.	116	110	63.2	360	1.18	3.74	104	107	3.72	26.3	30.0	1,868	146,151	148,020	195	5.49	58.6	154,576
% Reduced	8%	8%	6%	19%	16%	2%	20%	20%	2%	20%	18%	—	14%	13%	< 0.5%	11%	9%	13%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	126	120	70.0	410	1.36	3.82	130	134	3.79	33.0	36.8	1,868	164,137	166,005	195	6.34	35.6	172,815
Mit.	116	110	65.2	333	1.14	3.74	104	107	3.72	26.3	30.0	1,868	142,202	144,070	195	5.65	35.5	150,655
% Reduced	8%	8%	7%	19%	16%	2%	20%	20%	2%	20%	18%	—	13%	13%	< 0.5%	11%	< 0.5%	13%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	121	116	42.3	401	1.19	1.56	128	130	1.53	32.6	34.1	1,868	130,139	132,007	195	6.28	47.6	138,794
Mit.	111	107	37.4	322	0.97	1.48	102	104	1.46	26.0	27.5	1,868	107,930	109,798	194	5.59	45.1	116,358
% Reduced	8%	8%	11%	20%	18%	5%	20%	20%	5%	20%	20%	—	17%	17%	< 0.5%	11%	5%	16%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	22.1	21.2	7.72	73.1	0.22	0.28	23.4	23.7	0.28	5.95	6.23	309	21,546	21,855	32.2	1.04	7.88	22,979
Mit.	20.3	19.5	6.83	58.8	0.18	0.27	18.7	19.0	0.27	4.75	5.02	309	17,869	18,178	32.1	0.93	7.47	19,264
% Reduced	8%	8%	11%	20%	18%	5%	20%	20%	5%	20%	20%	—	17%	17%	< 0.5%	11%	5%	16%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	52.3	48.2	25.1	415	1.14	0.40	130	130	0.38	33.0	33.3	—	115,692	115,692	3.98	3.70	29.5	116,922
Area	72.7	70.9	29.9	20.4	0.19	2.43	—	2.43	2.42	—	2.42	0.00	37,933	37,933	0.72	0.07	—	37,973
Energy	1.43	0.71	12.6	7.97	0.08	0.99	—	0.99	0.99	—	0.99	—	15,477	15,477	1.37	0.03	—	15,520
Water	—	—	—	—	—	—	—	—	—	—	—	961	0.00	961	98.5	2.34	—	4,121
Waste	—	—	—	—	—	—	—	—	—	—	—	908	0.00	908	90.7	0.00	—	3,175

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.9	34.9
Total	126	120	67.6	443	1.41	3.82	130	134	3.79	33.0	36.8	1,868	169,103	170,971	195	6.14	64.3	177,746
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	52.3	48.2	27.5	381	1.09	0.40	130	130	0.38	33.0	33.4	—	110,726	110,726	4.11	3.90	0.76	111,991
Area	72.7	70.9	29.9	20.4	0.19	2.43	—	2.43	2.42	—	2.42	0.00	37,933	37,933	0.72	0.07	—	37,973
Energy	1.43	0.71	12.6	7.97	0.08	0.99	—	0.99	0.99	—	0.99	—	15,477	15,477	1.37	0.03	—	15,520
Water	—	—	—	—	—	—	—	—	—	—	—	961	0.00	961	98.5	2.34	—	4,121
Waste	—	—	—	—	—	—	—	—	—	—	—	908	0.00	908	90.7	0.00	—	3,175
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.9	34.9
Total	126	120	70.0	410	1.36	3.82	130	134	3.79	33.0	36.8	1,868	164,137	166,005	195	6.34	35.6	172,815
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	51.8	47.7	27.7	391	1.10	0.40	128	129	0.38	32.6	33.0	—	112,062	112,062	4.09	3.91	12.7	113,342
Area	67.9	67.8	2.05	1.62	0.01	0.17	—	0.17	0.17	—	0.17	0.00	2,599	2,599	0.05	< 0.005	—	2,602
Energy	1.43	0.71	12.6	7.97	0.08	0.99	—	0.99	0.99	—	0.99	—	15,477	15,477	1.37	0.03	—	15,520
Water	—	—	—	—	—	—	—	—	—	—	—	961	0.00	961	98.5	2.34	—	4,121
Waste	—	—	—	—	—	—	—	—	—	—	—	908	0.00	908	90.7	0.00	—	3,175
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.9	34.9
Total	121	116	42.3	401	1.19	1.56	128	130	1.53	32.6	34.1	1,868	130,139	132,007	195	6.28	47.6	138,794
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.45	8.70	5.05	71.4	0.20	0.07	23.4	23.5	0.07	5.95	6.02	—	18,553	18,553	0.68	0.65	2.11	18,765
Area	12.4	12.4	0.37	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	430	430	0.01	< 0.005	—	431
Energy	0.26	0.13	2.29	1.45	0.01	0.18	—	0.18	0.18	—	0.18	—	2,562	2,562	0.23	< 0.005	—	2,570
Water	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	16.3	0.39	—	682
Waste	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	526
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.77	5.77
Total	22.1	21.2	7.72	73.1	0.22	0.28	23.4	23.7	0.28	5.95	6.23	309	21,546	21,855	32.2	1.04	7.88	22,979

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	42.1	38.8	20.7	331	0.91	0.33	104	104	0.31	26.3	26.6	—	92,741	92,741	3.21	3.05	23.7	93,753
Area	72.7	70.9	29.9	20.4	0.19	2.43	—	2.43	2.42	—	2.42	0.00	37,933	37,933	0.72	0.07	—	37,973
Energy	1.43	0.71	12.6	7.97	0.08	0.99	—	0.99	0.99	—	0.99	—	15,477	15,477	1.37	0.03	—	15,520
Water	—	—	—	—	—	—	—	—	—	—	—	961	0.00	961	98.5	2.34	—	4,121
Waste	—	—	—	—	—	—	—	—	—	—	—	908	0.00	908	90.7	0.00	—	3,175
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.9	34.9
Total	116	110	63.2	360	1.18	3.74	104	107	3.72	26.3	30.0	1,868	146,151	148,020	195	5.49	58.6	154,576
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	42.1	38.8	22.7	305	0.87	0.33	104	104	0.31	26.3	26.6	—	88,791	88,791	3.31	3.21	0.62	89,831
Area	72.7	70.9	29.9	20.4	0.19	2.43	—	2.43	2.42	—	2.42	0.00	37,933	37,933	0.72	0.07	—	37,973
Energy	1.43	0.71	12.6	7.97	0.08	0.99	—	0.99	0.99	—	0.99	—	15,477	15,477	1.37	0.03	—	15,520
Water	—	—	—	—	—	—	—	—	—	—	—	961	0.00	961	98.5	2.34	—	4,121
Waste	—	—	—	—	—	—	—	—	—	—	—	908	0.00	908	90.7	0.00	—	3,175
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.9	34.9
Total	116	110	65.2	333	1.14	3.74	104	107	3.72	26.3	30.0	1,868	142,202	144,070	195	5.65	35.5	150,655
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	41.6	38.3	22.8	313	0.88	0.33	102	103	0.31	26.0	26.3	—	89,854	89,854	3.30	3.22	10.2	90,905
Area	67.9	67.8	2.05	1.62	0.01	0.17	—	0.17	0.17	—	0.17	0.00	2,599	2,599	0.05	< 0.005	—	2,602
Energy	1.43	0.71	12.6	7.97	0.08	0.99	—	0.99	0.99	—	0.99	—	15,477	15,477	1.37	0.03	—	15,520
Water	—	—	—	—	—	—	—	—	—	—	—	961	0.00	961	98.5	2.34	—	4,121
Waste	—	—	—	—	—	—	—	—	—	—	—	908	0.00	908	90.7	0.00	—	3,175

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.9	34.9
Total	111	107	37.4	322	0.97	1.48	102	104	1.46	26.0	27.5	1,868	107,930	109,798	194	5.59	45.1	116,358
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.60	7.00	4.17	57.1	0.16	0.06	18.7	18.8	0.06	4.75	4.80	—	14,876	14,876	0.55	0.53	1.70	15,050
Area	12.4	12.4	0.37	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	430	430	0.01	< 0.005	—	431
Energy	0.26	0.13	2.29	1.45	0.01	0.18	—	0.18	0.18	—	0.18	—	2,562	2,562	0.23	< 0.005	—	2,570
Water	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	16.3	0.39	—	682
Waste	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	526
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.77	5.77
Total	20.3	19.5	6.83	58.8	0.18	0.27	18.7	19.0	0.27	4.75	5.02	309	17,869	18,178	32.1	0.93	7.47	19,264

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	3.42	3.16	1.34	28.3	0.08	0.02	8.93	8.95	0.02	2.26	2.29	—	7,725	7,725	0.26	0.20	1.92	7,794
Apartments Mid Rise	20.3	18.7	7.98	168	0.45	0.14	53.0	53.2	0.13	13.4	13.6	—	45,868	45,868	1.53	1.21	11.4	46,277

Regional Shopping Center	19.4	17.9	10.7	148	0.41	0.16	45.9	46.0	0.15	11.7	11.8	—	41,933	41,933	1.49	1.55	10.9	42,442
Research & Development	6.16	5.68	3.38	46.8	0.13	0.05	14.5	14.6	0.05	3.69	3.74	—	13,281	13,281	0.47	0.49	3.46	13,443
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	2.97	2.73	1.69	23.9	0.07	0.03	7.55	7.58	0.02	1.92	1.94	—	6,885	6,885	0.24	0.25	1.80	6,966
Total	52.3	48.2	25.1	415	1.14	0.40	130	130	0.38	33.0	33.3	—	115,692	115,692	3.98	3.70	29.5	116,922
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	3.42	3.15	1.49	25.9	0.07	0.02	8.93	8.95	0.02	2.26	2.29	—	7,377	7,377	0.27	0.22	0.05	7,449
Apartments Mid Rise	20.3	18.7	8.87	154	0.43	0.14	53.0	53.2	0.13	13.4	13.6	—	43,802	43,802	1.58	1.29	0.30	44,226
Regional Shopping Center	19.4	17.9	11.6	137	0.39	0.16	45.9	46.0	0.15	11.7	11.8	—	40,210	40,210	1.54	1.62	0.28	40,732
Research & Development	6.16	5.67	3.69	43.3	0.12	0.05	14.5	14.6	0.05	3.69	3.74	—	12,736	12,736	0.49	0.51	0.09	12,901

Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	2.97	2.72	1.84	21.9	0.06	0.03	7.55	7.58	0.02	1.92	1.94	—	6,601	6,601	0.24	0.26	0.05	6,684
Total	52.3	48.2	27.5	381	1.09	0.40	130	130	0.38	33.0	33.4	—	110,726	110,726	4.11	3.90	0.76	111,991
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.62	0.57	0.27	4.85	0.01	< 0.005	1.61	1.62	< 0.005	0.41	0.41	—	1,237	1,237	0.04	0.04	0.14	1,249
Apartments Mid Rise	3.67	3.38	1.63	28.8	0.08	0.03	9.57	9.59	0.02	2.43	2.45	—	7,344	7,344	0.26	0.21	0.81	7,415
Regional Shopping Center	3.51	3.23	2.13	25.5	0.07	0.03	8.28	8.31	0.03	2.10	2.13	—	6,734	6,734	0.25	0.27	0.78	6,821
Research & Development	1.11	1.02	0.67	8.09	0.02	0.01	2.62	2.63	0.01	0.67	0.67	—	2,133	2,133	0.08	0.09	0.25	2,160
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Parking Lot	0.54	0.49	0.34	4.11	0.01	< 0.005	1.36	1.37	< 0.005	0.35	0.35	—	1,106	1,106	0.04	0.04	0.13	1,119
Total	9.45	8.70	5.05	71.4	0.20	0.07	23.4	23.5	0.07	5.95	6.02	—	18,553	18,553	0.68	0.65	2.11	18,765

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.23	2.06	0.88	18.4	0.05	0.02	5.82	5.83	0.01	1.48	1.49	—	5,034	5,034	0.17	0.13	1.25	5,079
Apartments Mid Rise	13.3	12.2	5.20	109	0.29	0.09	34.5	34.6	0.09	8.76	8.85	—	29,892	29,892	0.99	0.79	7.42	30,159
Regional Shopping Center	18.1	16.7	9.93	138	0.38	0.15	42.7	42.9	0.14	10.8	11.0	—	39,039	39,039	1.39	1.44	10.2	39,514
Research & Development	5.73	5.29	3.14	43.6	0.12	0.05	13.5	13.6	0.04	3.44	3.48	—	12,365	12,365	0.44	0.46	3.22	12,515
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	2.77	2.54	1.57	22.2	0.06	0.02	7.03	7.06	0.02	1.79	1.81	—	6,410	6,410	0.22	0.23	1.67	6,486

Total	42.1	38.8	20.7	331	0.91	0.33	104	104	0.31	26.3	26.6	—	92,741	92,741	3.21	3.05	23.7	93,753
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	2.23	2.05	0.97	16.9	0.05	0.02	5.82	5.83	0.01	1.48	1.49	—	4,808	4,808	0.17	0.14	0.03	4,854
Apartments Mid Rise	13.2	12.2	5.78	100	0.28	0.09	34.5	34.6	0.09	8.76	8.85	—	28,546	28,546	1.03	0.84	0.19	28,822
Regional Shopping Center	18.1	16.7	10.8	127	0.37	0.15	42.7	42.9	0.14	10.8	11.0	—	37,435	37,435	1.43	1.51	0.26	37,921
Research & Development	5.73	5.28	3.43	40.3	0.12	0.05	13.5	13.6	0.04	3.44	3.48	—	11,857	11,857	0.45	0.48	0.08	12,011
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	2.76	2.53	1.71	20.4	0.06	0.02	7.03	7.06	0.02	1.79	1.81	—	6,146	6,146	0.23	0.24	0.04	6,223
Total	42.1	38.8	22.7	305	0.87	0.33	104	104	0.31	26.3	26.6	—	88,791	88,791	3.31	3.21	0.62	89,831
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.40	0.37	0.18	3.16	0.01	< 0.005	1.05	1.05	< 0.005	0.27	0.27	—	806	806	0.03	0.02	0.09	814
Apartments Mid Rise	2.39	2.20	1.06	18.8	0.05	0.02	6.23	6.25	0.02	1.58	1.60	—	4,786	4,786	0.17	0.14	0.53	4,832

Regional Shopping Center	3.27	3.01	1.98	23.8	0.07	0.03	7.71	7.73	0.03	1.96	1.98	—	6,269	6,269	0.24	0.25	0.73	6,350
Research & Development	1.04	0.95	0.63	7.53	0.02	0.01	2.44	2.45	0.01	0.62	0.63	—	1,986	1,986	0.07	0.08	0.23	2,011
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.50	0.46	0.31	3.82	0.01	< 0.005	1.27	1.27	< 0.005	0.32	0.33	—	1,029	1,029	0.04	0.04	0.12	1,042
Total	7.60	7.00	4.17	57.1	0.16	0.06	18.7	18.8	0.06	4.75	4.80	—	14,876	14,876	0.55	0.53	1.70	15,050

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Regional	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Researc h & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.14	0.07	1.21	0.52	0.01	0.10	—	0.10	0.10	—	0.10	—	1,540	1,540	0.14	< 0.005	—	1,545
Apartments Mid Rise	0.59	0.30	5.05	2.15	0.03	0.41	—	0.41	0.41	—	0.41	—	6,407	6,407	0.57	0.01	—	6,425

Regional Shopping Center	0.03	0.02	0.29	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	345	345	0.03	< 0.005	—	346
Research & Development	0.60	0.30	5.45	4.58	0.03	0.41	—	0.41	0.41	—	0.41	—	6,499	6,499	0.58	0.01	—	6,517
Movie Theater (No Matinee)	0.06	0.03	0.57	0.48	< 0.005	0.04	—	0.04	0.04	—	0.04	—	686	686	0.06	< 0.005	—	688
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.43	0.71	12.6	7.97	0.08	0.99	—	0.99	0.99	—	0.99	—	15,477	15,477	1.37	0.03	—	15,520
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.14	0.07	1.21	0.52	0.01	0.10	—	0.10	0.10	—	0.10	—	1,540	1,540	0.14	< 0.005	—	1,545
Apartments Mid Rise	0.59	0.30	5.05	2.15	0.03	0.41	—	0.41	0.41	—	0.41	—	6,407	6,407	0.57	0.01	—	6,425
Regional Shopping Center	0.03	0.02	0.29	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	345	345	0.03	< 0.005	—	346
Research & Development	0.60	0.30	5.45	4.58	0.03	0.41	—	0.41	0.41	—	0.41	—	6,499	6,499	0.58	0.01	—	6,517

Movie Theater (No Matinee)	0.06	0.03	0.57	0.48	< 0.005	0.04	—	0.04	0.04	—	0.04	—	686	686	0.06	< 0.005	—	688
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.43	0.71	12.6	7.97	0.08	0.99	—	0.99	0.99	—	0.99	—	15,477	15,477	1.37	0.03	—	15,520
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.03	0.01	0.22	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	255	255	0.02	< 0.005	—	256
Apartments Mid Rise	0.11	0.05	0.92	0.39	0.01	0.07	—	0.07	0.07	—	0.07	—	1,061	1,061	0.09	< 0.005	—	1,064
Regional Shopping Center	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.2	57.2	0.01	< 0.005	—	57.3
Research & Development	0.11	0.05	0.99	0.83	0.01	0.08	—	0.08	0.08	—	0.08	—	1,076	1,076	0.10	< 0.005	—	1,079
Movie Theater (No Matinee)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	114	114	0.01	< 0.005	—	114
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.26	0.13	2.29	1.45	0.01	0.18	—	0.18	0.18	—	0.18	—	2,562	2,562	0.23	< 0.005	—	2,570

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.14	0.07	1.21	0.52	0.01	0.10	—	0.10	0.10	—	0.10	—	1,540	1,540	0.14	< 0.005	—	1,545
Apartments Mid Rise	0.59	0.30	5.05	2.15	0.03	0.41	—	0.41	0.41	—	0.41	—	6,407	6,407	0.57	0.01	—	6,425
Regional Shopping Center	0.03	0.02	0.29	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	345	345	0.03	< 0.005	—	346
Research & Development	0.60	0.30	5.45	4.58	0.03	0.41	—	0.41	0.41	—	0.41	—	6,499	6,499	0.58	0.01	—	6,517
Movie Theater (No Matinee)	0.06	0.03	0.57	0.48	< 0.005	0.04	—	0.04	0.04	—	0.04	—	686	686	0.06	< 0.005	—	688
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	1.43	0.71	12.6	7.97	0.08	0.99	—	0.99	0.99	—	0.99	—	15,477	15,477	1.37	0.03	—	15,520
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.14	0.07	1.21	0.52	0.01	0.10	—	0.10	0.10	—	0.10	—	1,540	1,540	0.14	< 0.005	—	1,545
Apartments Mid Rise	0.59	0.30	5.05	2.15	0.03	0.41	—	0.41	0.41	—	0.41	—	6,407	6,407	0.57	0.01	—	6,425
Regional Shopping Center	0.03	0.02	0.29	0.24	< 0.005	0.02	—	0.02	0.02	—	0.02	—	345	345	0.03	< 0.005	—	346
Research & Development	0.60	0.30	5.45	4.58	0.03	0.41	—	0.41	0.41	—	0.41	—	6,499	6,499	0.58	0.01	—	6,517
Movie Theater (No Matinee)	0.06	0.03	0.57	0.48	< 0.005	0.04	—	0.04	0.04	—	0.04	—	686	686	0.06	< 0.005	—	688
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	1.43	0.71	12.6	7.97	0.08	0.99	—	0.99	0.99	—	0.99	—	15,477	15,477	1.37	0.03	—	15,520
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	0.03	0.01	0.22	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	255	255	0.02	< 0.005	—	256
Apartments Mid Rise	0.11	0.05	0.92	0.39	0.01	0.07	—	0.07	0.07	—	0.07	—	1,061	1,061	0.09	< 0.005	—	1,064

Regional Shopping Center	0.01	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	57.2	57.2	0.01	< 0.005	—	57.3
Research & Development	0.11	0.05	0.99	0.83	0.01	0.08	—	0.08	0.08	—	0.08	—	1,076	1,076	0.10	< 0.005	—	1,079
Movie Theater (No Matinee)	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	114	114	0.01	< 0.005	—	114
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.26	0.13	2.29	1.45	0.01	0.18	—	0.18	0.18	—	0.18	—	2,562	2,562	0.23	< 0.005	—	2,570

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	3.49	1.75	29.9	12.7	0.19	2.41	—	2.41	2.41	—	2.41	0.00	37,901	37,901	0.71	0.07	—	37,940
Consumer Products	61.7	61.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	5.84	5.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.71	1.62	0.07	7.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.9	32.9	< 0.005	< 0.005	—	33.0
Total	72.7	70.9	29.9	20.4	0.19	2.43	—	2.43	2.42	—	2.42	0.00	37,933	37,933	0.72	0.07	—	37,973
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	3.49	1.75	29.9	12.7	0.19	2.41	—	2.41	2.41	—	2.41	0.00	37,901	37,901	0.71	0.07	—	37,940
Consumer Products	61.7	61.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.84	5.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.71	1.62	0.07	7.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.9	32.9	< 0.005	< 0.005	—	33.0
Total	72.7	70.9	29.9	20.4	0.19	2.43	—	2.43	2.42	—	2.42	0.00	37,933	37,933	0.72	0.07	—	37,973
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.04	0.02	0.37	0.16	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	430	430	0.01	< 0.005	—	430
Consumer Products	11.3	11.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.06	1.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	0.03	0.03	< 0.005	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.53	0.53	< 0.005	< 0.005	—	0.53
Total	12.4	12.4	0.37	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	430	430	0.01	< 0.005	—	431

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	3.49	1.75	29.9	12.7	0.19	2.41	—	2.41	2.41	—	2.41	0.00	37,901	37,901	0.71	0.07	—	37,940
Consumer Products	61.7	61.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.84	5.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.71	1.62	0.07	7.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.9	32.9	< 0.005	< 0.005	—	33.0
Total	72.7	70.9	29.9	20.4	0.19	2.43	—	2.43	2.42	—	2.42	0.00	37,933	37,933	0.72	0.07	—	37,973
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	3.49	1.75	29.9	12.7	0.19	2.41	—	2.41	2.41	—	2.41	0.00	37,901	37,901	0.71	0.07	—	37,940
Consumer Products	61.7	61.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.84	5.84	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape Equipment	1.71	1.62	0.07	7.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	32.9	32.9	< 0.005	< 0.005	—	33.0
Total	72.7	70.9	29.9	20.4	0.19	2.43	—	2.43	2.42	—	2.42	0.00	37,933	37,933	0.72	0.07	—	37,973
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.04	0.02	0.37	0.16	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	430	430	0.01	< 0.005	—	430
Consumer Products	11.3	11.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.06	1.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	0.03	< 0.005	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.53	0.53	< 0.005	< 0.005	—	0.53
Total	12.4	12.4	0.37	0.30	< 0.005	0.03	—	0.03	0.03	—	0.03	0.00	430	430	0.01	< 0.005	—	431

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	14.3	0.00	14.3	1.46	0.03	—	61.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	129	0.00	129	13.2	0.31	—	551

Regiona l	—	—	—	—	—	—	—	—	—	—	—	25.5	0.00	25.5	2.62	0.06	—	110
Research & Development	—	—	—	—	—	—	—	—	—	—	—	754	0.00	754	77.3	1.84	—	3,233
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	38.5	0.00	38.5	3.95	0.09	—	165
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	961	0.00	961	98.5	2.34	—	4,121
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	14.3	0.00	14.3	1.46	0.03	—	61.3
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	129	0.00	129	13.2	0.31	—	551
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	25.5	0.00	25.5	2.62	0.06	—	110
Research & Development	—	—	—	—	—	—	—	—	—	—	—	754	0.00	754	77.3	1.84	—	3,233

Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	38.5	0.00	38.5	3.95	0.09	—	165
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	961	0.00	961	98.5	2.34	—	4,121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	2.37	0.00	2.37	0.24	0.01	—	10.1
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	21.3	0.00	21.3	2.18	0.05	—	91.3
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	4.23	0.00	4.23	0.43	0.01	—	18.1
Research & Development	—	—	—	—	—	—	—	—	—	—	—	125	0.00	125	12.8	0.30	—	535
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	6.37	0.00	6.37	0.65	0.02	—	27.3
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	16.3	0.39	—	682

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	14.3	0.00	14.3	1.46	0.03	—	61.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	129	0.00	129	13.2	0.31	—	551
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	25.5	0.00	25.5	2.62	0.06	—	110
Research & Development	—	—	—	—	—	—	—	—	—	—	—	754	0.00	754	77.3	1.84	—	3,233
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	38.5	0.00	38.5	3.95	0.09	—	165
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	961	0.00	961	98.5	2.34	—	4,121
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	14.3	0.00	14.3	1.46	0.03	—	61.3
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	129	0.00	129	13.2	0.31	—	551
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	25.5	0.00	25.5	2.62	0.06	—	110
Researc h & Development	—	—	—	—	—	—	—	—	—	—	—	754	0.00	754	77.3	1.84	—	3,233
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	38.5	0.00	38.5	3.95	0.09	—	165
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	961	0.00	961	98.5	2.34	—	4,121
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	2.37	0.00	2.37	0.24	0.01	—	10.1
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	21.3	0.00	21.3	2.18	0.05	—	91.3

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	4.23	0.00	4.23	0.43	0.01	—	18.1
Research & Development	—	—	—	—	—	—	—	—	—	—	—	125	0.00	125	12.8	0.30	—	535
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	6.37	0.00	6.37	0.65	0.02	—	27.3
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	16.3	0.39	—	682

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	61.9	0.00	61.9	6.19	0.00	—	217
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	557	0.00	557	55.7	0.00	—	1,950

Regiona l	—	—	—	—	—	—	—	—	—	—	—	102	0.00	102	10.2	0.00	—	356
Research & Development	—	—	—	—	—	—	—	—	—	—	—	32.8	0.00	32.8	3.27	0.00	—	115
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	154	0.00	154	15.4	0.00	—	537
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	908	0.00	908	90.7	0.00	—	3,175
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	61.9	0.00	61.9	6.19	0.00	—	217
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	557	0.00	557	55.7	0.00	—	1,950
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	102	0.00	102	10.2	0.00	—	356
Research & Development	—	—	—	—	—	—	—	—	—	—	—	32.8	0.00	32.8	3.27	0.00	—	115

Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	154	0.00	154	15.4	0.00	—	537
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	908	0.00	908	90.7	0.00	—	3,175
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.02	0.00	—	35.9
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	92.3	0.00	92.3	9.22	0.00	—	323
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	16.9	0.00	16.9	1.69	0.00	—	59.0
Research & Development	—	—	—	—	—	—	—	—	—	—	—	5.42	0.00	5.42	0.54	0.00	—	19.0
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	25.4	0.00	25.4	2.54	0.00	—	89.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	526

4.5.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	61.9	0.00	61.9	6.19	0.00	—	217
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	557	0.00	557	55.7	0.00	—	1,950
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	102	0.00	102	10.2	0.00	—	356
Research & Development	—	—	—	—	—	—	—	—	—	—	—	32.8	0.00	32.8	3.27	0.00	—	115
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	154	0.00	154	15.4	0.00	—	537
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	908	0.00	908	90.7	0.00	—	3,175
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	61.9	0.00	61.9	6.19	0.00	—	217
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	557	0.00	557	55.7	0.00	—	1,950
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	102	0.00	102	10.2	0.00	—	356
Researc h & Development	—	—	—	—	—	—	—	—	—	—	—	32.8	0.00	32.8	3.27	0.00	—	115
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	154	0.00	154	15.4	0.00	—	537
Enclose d Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	908	0.00	908	90.7	0.00	—	3,175
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	10.3	0.00	10.3	1.02	0.00	—	35.9
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	92.3	0.00	92.3	9.22	0.00	—	323

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	16.9	0.00	16.9	1.69	0.00	—	59.0
Research & Development	—	—	—	—	—	—	—	—	—	—	—	5.42	0.00	5.42	0.54	0.00	—	19.0
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	25.4	0.00	25.4	2.54	0.00	—	89.0
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	150	0.00	150	15.0	0.00	—	526

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.8	11.8

Regional	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.86	0.86
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.4	20.4
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31	0.31
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.9	34.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.8	11.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.86	0.86
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.4	20.4
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31	0.31
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.9	34.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.95	1.95
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.14	0.14
Researc h & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.38	3.38
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.77	5.77

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/T ownhou se	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.8	11.8
Regiona l Shoppin g Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.86	0.86

Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.4	20.4
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31	0.31
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.9	34.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.45	1.45
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.8	11.8
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.86	0.86
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.4	20.4
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.31	0.31
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	34.9	34.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Condo/Townhouse	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.95	1.95
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.14	0.14
Research & Development	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.38	3.38
Movie Theater (No Matinee)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.77	5.77

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.7.2. Mitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

4.8.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

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

5. Activity Data

5.9. 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
Condo/Townhouse	1,440	1,440	1,440	525,600	12,650	12,650	12,650	4,617,178
Apartments Mid Rise	8,550	8,550	8,550	3,120,750	75,108	75,108	75,108	27,414,494
Regional Shopping Center	8,512	8,512	8,512	3,106,880	64,660	64,660	64,660	23,600,827
Research & Development	2,696	2,696	2,696	984,040	20,480	20,480	20,480	7,475,074
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	1,263	1,263	1,263	461,078	10,648	10,648	10,648	3,886,533

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Condo/Townhouse	938	938	938	342,534	8,244	8,244	8,244	3,009,015
Apartments Mid Rise	5,572	5,572	5,572	2,033,793	48,948	48,948	48,948	17,866,026
Regional Shopping Center	7,925	7,925	7,925	2,892,505	60,198	60,198	60,198	21,972,370
Research & Development	2,510	2,510	2,510	916,141	19,067	19,067	19,067	6,959,294
Movie Theater (No Matinee)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	1,176	1,176	1,176	429,263	9,913	9,913	9,913	3,618,362

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	180
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	20
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	1620
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	180
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0

Pellet Wood Stoves	0
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5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Condo/Townhouse	—
Wood Fireplaces	0
Gas Fireplaces	180
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	20
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	1620
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	180
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	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)
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3746250	1,248,750	1,554,801	516,089	25,613
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5.10.3. Landscape Equipment

Equipment Type	Fuel Type	Number Per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Lawn Mowers	Gasoline 4-Stroke	2.00	3.00	107	3.86	0.36
Leaf Blowers/Vacuums	Gasoline 2-Stroke	3.00	2.00	71.0	1.79	0.94

5.10.4. Landscape Equipment - Mitigated

Equipment Type	Fuel Type	Number Per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Lawn Mowers	Gasoline 4-Stroke	2.00	3.00	107	3.86	0.36
Leaf Blowers/Vacuums	Gasoline 2-Stroke	3.00	2.00	71.0	1.79	0.94

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)
Condo/Townhouse	918,433	0.00	0.0000	0.0000	4,806,072
Apartments Mid Rise	6,598,501	0.00	0.0000	0.0000	19,992,317
Regional Shopping Center	1,767,846	0.00	0.0000	0.0000	1,077,650
Research & Development	14,256,229	0.00	0.0000	0.0000	20,277,174
Movie Theater (No Matinee)	479,637	0.00	0.0000	0.0000	2,140,097
Enclosed Parking with Elevator	803,994	0.00	0.0000	0.0000	0.00
Parking Lot	183,161	0.00	0.0000	0.0000	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBtu/yr)
Condo/Townhouse	918,433	0.00	0.0000	0.0000	4,806,072
Apartments Mid Rise	6,598,501	0.00	0.0000	0.0000	19,992,317
Regional Shopping Center	1,767,846	0.00	0.0000	0.0000	1,077,650
Research & Development	14,256,229	0.00	0.0000	0.0000	20,277,174
Movie Theater (No Matinee)	479,637	0.00	0.0000	0.0000	2,140,097
Enclosed Parking with Elevator	803,994	0.00	0.0000	0.0000	0.00
Parking Lot	183,161	0.00	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	7,454,760	0.00
Apartments Mid Rise	67,092,840	5,413,349
Regional Shopping Center	13,333,054	0.00
Research & Development	393,355,158	0.00
Movie Theater (No Matinee)	20,080,073	0.00
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	1,527,277

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Condo/Townhouse	7,454,760	0.00
Apartments Mid Rise	67,092,840	5,413,349
Regional Shopping Center	13,333,054	0.00
Research & Development	393,355,158	0.00

Movie Theater (No Matinee)	20,080,073	0.00
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	1,527,277

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	115	—
Apartments Mid Rise	1,034	—
Regional Shopping Center	189	—
Research & Development	60.8	—
Movie Theater (No Matinee)	285	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Condo/Townhouse	115	—
Apartments Mid Rise	1,034	—
Regional Shopping Center	189	—
Research & Development	60.8	—
Movie Theater (No Matinee)	285	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
Research & Development	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Movie Theater (No Matinee)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Movie Theater (No Matinee)	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Movie Theater (No Matinee)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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Condo/Townhouse	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Condo/Townhouse	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Regional Shopping Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Research & Development	Household refrigerators and/or freezers	R-134a	1,430	0.45	0.60	0.00	1.00
Research & Development	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Movie Theater (No Matinee)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Movie Theater (No Matinee)	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Movie Theater (No Matinee)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
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5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
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5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
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5.17. User Defined

Equipment Type	Fuel Type
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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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5.18.1.2. Mitigated

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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5.18.1.2. Mitigated

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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5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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Clearwater Specific Plan

City of Paramount, California

Paramount Existing Facilities, CARB Facility Search Database October 2024

CO	AB	FACID	DIS	FNAME	FSTREET	FCITY	FZIP	FSIC	COID	DISN
19	SC	17325	SC	ACE CLEARWATER ENTERPRISES	14105 S GARFIELD AVE	PARAMOUNT	90723	3728	LA	SOUTH COAST AQMD
19	SC	23752	SC	AEROCRAFT HEAT TREATING CO INC	15701 MINNESOTA AVE	PARAMOUNT	90723	3398	LA	SOUTH COAST AQMD
19	SC	187165	SC	ALTAIR PARAMOUNT, LLC	14700-08 DOWNEY AVE	PARAMOUNT	90723	2911	LA	SOUTH COAST AQMD
19	SC	16951	SC	ANAPLEX CORP	15547 GARFIELD AVE	PARAMOUNT	90723	3471	LA	SOUTH COAST AQMD
19	SC	22911	SC	CARLTON FORGE WORKS	7743 E ADAMS ST	PARAMOUNT	90723	3463	LA	SOUTH COAST AQMD
19	SC	166277	SC	CITY OF PARAMOUNT	6503 SOMERSET BLVD	PARAMOUNT	90723	9111	LA	SOUTH COAST AQMD
19	SC	126693	SC	HOME DEPOT, U.S.A. INC # 1037	6400 ALONDRA BLVD	PARAMOUNT	90723	5211	LA	SOUTH COAST AQMD
19	SC	178524	SC	NEW CINGULAR WIRELESS PCS, LLC	6825 ROSECRANS AVE	PARAMOUNT	90723	4812	LA	SOUTH COAST AQMD
19	SC	6484	SC	PACIFIC BELL, AT&T CALIFORNIA, DBA	15706 S PARAMOUNT BLVD	PARAMOUNT	90723	4813	LA	SOUTH COAST AQMD
19	SC	2300	SC	PARAMOUNT CITY	15300 DOWNEY AVE	PARAMOUNT	90723	9631	LA	SOUTH COAST AQMD
19	SC	172592	SC	PARAMOUNT CITY	15001 PARAMOUNT BLVD	PARAMOUNT	90723	9631	LA	SOUTH COAST AQMD
19	SC	175944	SC	PARAMOUNT CITY	16400 COLORADO AVE	PARAMOUNT	90723	9111	LA	SOUTH COAST AQMD
19	SC	73867	SC	PARAMOUNT, CITY OF	15966 DOWNEY AVE	PARAMOUNT	90723	9631	LA	SOUTH COAST AQMD
19	SC	136	SC	PRESS FORGE CO	7700 JACKSON ST	PARAMOUNT	90723	3462	LA	SOUTH COAST AQMD
19	SC	164213	SC	RALPHS GROCERY COMPANY	14900 GARFIELD AVE	PARAMOUNT	90723	8711	LA	SOUTH COAST AQMD
19	SC	118460	SC	ROBERTSON'S READY MIX	7277 E ROSECRANS AVE	PARAMOUNT	90723	3273	LA	SOUTH COAST AQMD
19	SC	24244	SC	S.T. & I. INC.	7517 JEFFERSON ST	PARAMOUNT	90723	8731	LA	SOUTH COAST AQMD
19	SC	101899	SC	WALMART NO 2110	14501 LAKEWOOD BLVD	PARAMOUNT	90723	5311	LA	SOUTH COAST AQMD
19	SC	10966	SC	WEBER METALS INC	16706 GARFIELD AVE	PARAMOUNT	90723	3463	LA	SOUTH COAST AQMD

CHAPIS	CERR_CODE	TOGT	ROGT	COT	NOXT	SOXT	PMT	PM10T
		0.049181818	0.02164	0.23818	0.48	0.00257	0.021767771	0.021689629
		0.411565862	0.20927591	0.85251	1.650493	0.01511436	3.796319361	3.647482633
		33.70936794	23.7575806	21.7453997	28.61032	4.16321316	8.22476648	6.396109549
		1.403641902	0.8788661	0.180368	0.23137	0.0014933	0.032925538	0.032319853
		10.59315369	7.06942557	8.660175	18.95065	0.153268	2.7536982	2.265151723
		0.005748435	0.00505	0.01	0.06	0.0000283	0.00451	0.00448294
		0.004735344	0.00416	0.01	0.05	0.0000233	0.00372	0.00369768
		0.00036881	0.000324	0.000881	0.00405	0.00000181	0.000289	0.000287266
		0.006272055	0.00551	0.01	0.06	0.0000309	0.00492	0.00489048
		0.000415481	0.000365	0.000992	0.00456	0.00000204	0.000326	0.000324044
		0.000130905	0.000115	0.000312	0.00143	0.000000642	0.000102	0.000101388
		0.000203756	0.000179	0.000487	0.00224	0.000001	0.00016	0.00015904
		0.027497315	0.00256	0.32	0.19	0.0000512	0.000853	0.000847882
		3.877782701	1.817332	4.840175	9.47032	0.07135	2.780814	2.701413025
		0.030927718	0.02717	0.1	0.54	0.0002502	0.02641	0.02625154
		0.001909283	0.00181				2.05025	0.8201
		0.006920888	0.00608	0.01	2.04	0.00135	0.42635	0.4095119
		0.009551043	0.00564	0.01783	0.08	0.0002521	0.00552	0.00548688
		6.680796056	4.68517	7.31	12.17	0.09152	5.82642614	3.7775729