

PLNP2022-00239 Public Storage Chippendale Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	PLNP2022-00239 Public Storage Chippendale
Construction Start Date	9/30/2023
Operational Year	2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	39.2
Location	4745 Chippendale Dr, Sacramento, CA 95841, USA
County	Sacramento
City	Unincorporated
Air District	Sacramento Metropolitan AQMD
Air Basin	Sacramento Valley
TAZ	661
EDFZ	13
Electric Utility	Sacramento Municipal Utility District
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.14

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
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General Light Industry	1.00	1000sqft	2.40	153	13,511	—	—	—
Parking Lot	34.0	1000sqft	2.40	0.00	1,473	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
Unmit.	3.60	2.94	29.4	25.2	2.37	1.34
Daily, Winter (Max)	—	—	—	—	—	—
Unmit.	4.78	4.02	39.8	36.4	9.65	5.64
Average Daily (Max)	—	—	—	—	—	—
Unmit.	0.84	0.80	6.51	7.71	0.38	0.27
Annual (Max)	—	—	—	—	—	—
Unmit.	0.15	0.15	1.19	1.41	0.07	0.05

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	PM10T	PM2.5T
Daily - Summer (Max)	—	—	—	—	—	—
2023	3.60	2.94	29.4	25.2	2.37	1.34

2024	1.44	1.20	11.2	13.1	0.50	0.46
Daily - Winter (Max)	—	—	—	—	—	—
2023	4.78	4.02	39.8	36.4	9.65	5.64
2024	1.44	1.81	11.2	13.1	0.53	0.46
Average Daily	—	—	—	—	—	—
2023	0.44	0.36	3.53	3.37	0.38	0.24
2024	0.84	0.80	6.51	7.71	0.30	0.27
Annual	—	—	—	—	—	—
2023	0.08	0.07	0.65	0.61	0.07	0.04
2024	0.15	0.15	1.19	1.41	0.05	0.05

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	PM10T	PM2.5T
Daily - Summer (Max)	—	—	—	—	—	—
2023	3.60	2.94	29.4	25.2	2.37	1.34
2024	1.44	1.20	11.2	13.1	0.50	0.46
Daily - Winter (Max)	—	—	—	—	—	—
2023	4.78	4.02	39.8	36.4	9.65	5.64
2024	1.44	1.81	11.2	13.1	0.53	0.46
Average Daily	—	—	—	—	—	—
2023	0.44	0.36	3.53	3.37	0.38	0.24
2024	0.84	0.80	6.51	7.71	0.30	0.27
Annual	—	—	—	—	—	—
2023	0.08	0.07	0.65	0.61	0.07	0.04
2024	0.15	0.15	1.19	1.41	0.05	0.05

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	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
Unmit.	0.84	0.85	0.21	1.50	< 0.005	< 0.005
Mit.	0.84	0.85	0.21	1.50	< 0.005	< 0.005
% Reduced	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Unmit.	0.72	0.72	0.24	2.24	< 0.005	< 0.005
Mit.	0.72	0.72	0.24	2.24	< 0.005	< 0.005
% Reduced	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—
Unmit.	0.52	0.53	0.16	1.29	< 0.005	< 0.005
Mit.	0.52	0.53	0.16	1.29	< 0.005	< 0.005
% Reduced	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—
Unmit.	0.10	0.10	0.03	0.24	< 0.005	< 0.005
Mit.	0.10	0.10	0.03	0.24	< 0.005	< 0.005
% Reduced	—	—	—	—	—	—

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	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
Mobile	0.84	0.83	0.21	1.49	< 0.005	< 0.005
Area	< 0.005	0.02	< 0.005	0.01	< 0.005	< 0.005

Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Water	—	—	—	—	—	—
Waste	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—
Vegetation	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Total	0.84	0.85	0.21	1.50	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—
Mobile	0.72	0.70	0.24	2.23	< 0.005	< 0.005
Area	0.00	0.02	0.00	0.00	0.00	0.00
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Water	—	—	—	—	—	—
Waste	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—
Vegetation	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Total	0.72	0.72	0.24	2.24	< 0.005	< 0.005
Average Daily	—	—	—	—	—	—
Mobile	0.52	0.51	0.16	1.28	< 0.005	< 0.005
Area	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Water	—	—	—	—	—	—
Waste	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—
Vegetation	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Total	0.52	0.53	0.16	1.29	< 0.005	< 0.005
Annual	—	—	—	—	—	—
Mobile	0.10	0.09	0.03	0.23	< 0.005	< 0.005
Area	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Water	—	—	—	—	—	—
Waste	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—
Vegetation	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Total	0.10	0.10	0.03	0.24	< 0.005	< 0.005

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	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
Mobile	0.84	0.83	0.21	1.49	< 0.005	< 0.005
Area	< 0.005	0.02	< 0.005	0.01	< 0.005	< 0.005
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Water	—	—	—	—	—	—
Waste	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—
Vegetation	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Total	0.84	0.85	0.21	1.50	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—
Mobile	0.72	0.70	0.24	2.23	< 0.005	< 0.005
Area	0.00	0.02	0.00	0.00	0.00	0.00
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Water	—	—	—	—	—	—
Waste	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—
Vegetation	—	< 0.005	< 0.005	—	< 0.005	< 0.005

Total	0.72	0.72	0.24	2.24	< 0.005	< 0.005
Average Daily	—	—	—	—	—	—
Mobile	0.52	0.51	0.16	1.28	< 0.005	< 0.005
Area	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Water	—	—	—	—	—	—
Waste	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—
Vegetation	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Total	0.52	0.53	0.16	1.29	< 0.005	< 0.005
Annual	—	—	—	—	—	—
Mobile	0.10	0.09	0.03	0.23	< 0.005	< 0.005
Area	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Energy	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Water	—	—	—	—	—	—
Waste	—	—	—	—	—	—
Refrig.	—	—	—	—	—	—
Vegetation	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Total	0.10	0.10	0.03	0.24	< 0.005	< 0.005

3. Construction Emissions Details

3.1. Demolition (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—

Off-Road Equipment	3.39	2.84	27.3	23.5	1.20	1.10
Demolition	—	—	—	—	0.75	0.11
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	3.39	2.84	27.3	23.5	1.20	1.10
Demolition	—	—	—	—	0.75	0.11
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.50	1.29	0.07	0.06
Demolition	—	—	—	—	0.04	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.23	0.01	0.01
Demolition	—	—	—	—	0.01	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	0.08	0.07	0.05	1.05	0.15	0.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.96	0.71	0.27	0.08
Daily, Winter (Max)	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.77	0.15	0.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.11	0.71	0.27	0.08
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.01	< 0.005	0.11	0.04	0.01	< 0.005
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005

3.2. Demolition (2023) - Mitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	3.39	2.84	27.3	23.5	1.20	1.10
Demolition	—	—	—	—	0.75	0.11
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	3.39	2.84	27.3	23.5	1.20	1.10
Demolition	—	—	—	—	0.75	0.11
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.50	1.29	0.07	0.06
Demolition	—	—	—	—	0.04	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.27	0.23	0.01	0.01
Demolition	—	—	—	—	0.01	< 0.005
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—
Worker	0.08	0.07	0.05	1.05	0.15	0.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	1.96	0.71	0.27	0.08
Daily, Winter (Max)	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.77	0.15	0.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.13	0.03	2.11	0.71	0.27	0.08
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.11	0.04	0.01	< 0.005
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005

3.3. Site Preparation (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	4.70	3.95	39.7	35.5	1.81	1.66
Dust From Material Movement	—	—	—	—	7.67	3.94
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.54	0.49	0.02	0.02
Dust From Material Movement	—	—	—	—	0.11	0.05
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.09	< 0.005	< 0.005
Dust From Material Movement	—	—	—	—	0.02	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.90	0.18	0.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2023) - Mitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
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Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	4.70	3.95	39.7	35.5	1.81	1.66
Dust From Material Movement	—	—	—	—	7.67	3.94
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.54	0.49	0.02	0.02
Dust From Material Movement	—	—	—	—	0.11	0.05
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.09	< 0.005	< 0.005
Dust From Material Movement	—	—	—	—	0.02	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Worker	0.08	0.07	0.08	0.90	0.18	0.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	1.94	1.63	16.2	16.0	0.74	0.68
Dust From Material Movement	—	—	—	—	2.56	1.31
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.36	0.35	0.02	0.01
Dust From Material Movement	—	—	—	—	0.06	0.03
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005
Dust From Material Movement	—	—	—	—	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.64	0.13	0.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2023) - Mitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	1.94	1.63	16.2	16.0	0.74	0.68
Dust From Material Movement	—	—	—	—	2.56	1.31
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.36	0.35	0.02	0.01
Dust From Material Movement	—	—	—	—	0.06	0.03
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.06	< 0.005	< 0.005

Dust From Material Movement	—	—	—	—	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.64	0.13	0.03
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	1.50	1.26	11.8	13.2	0.55	0.51
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—

Off-Road Equipment	0.13	0.11	1.02	1.13	0.05	0.04
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	0.21	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2023) - Mitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	1.50	1.26	11.8	13.2	0.55	0.51

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	1.02	1.13	0.05	0.04
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.19	0.21	0.01	0.01
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—

Off-Road Equipment	1.44	1.20	11.2	13.1	0.50	0.46
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.50	0.46
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	6.13	7.16	0.27	0.25
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.12	1.31	0.05	0.05
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Hauling	0.00	0.00	0.00	0.00	0.00	0.00
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3.10. Building Construction (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.50	0.46
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.50	0.46
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	6.13	7.16	0.27	0.25
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.12	1.31	0.05	0.05
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.87	8.89	0.33	0.30
Paving	—	0.35	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.44	0.02	0.01
Paving	—	0.02	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005
Paving	—	< 0.005	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Worker	0.09	0.08	0.09	0.95	0.20	0.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Paving (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.87	8.89	0.33	0.30
Paving	—	0.35	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.44	0.02	0.01
Paving	—	0.02	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005
Paving	—	< 0.005	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Worker	0.09	0.08	0.09	0.95	0.20	0.05
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.01	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	0.91	1.15	0.03	0.03
Architectural Coatings	—	1.67	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005
Architectural Coatings	—	0.08	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005
Architectural Coatings	—	0.02	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Architectural Coating (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	PM10T	PM2.5T
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Onsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Off-Road Equipment	0.17	0.14	0.91	1.15	0.03	0.03
Architectural Coatings	—	1.67	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.06	< 0.005	< 0.005
Architectural Coatings	—	0.08	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005
Architectural Coatings	—	0.02	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Vendor	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00
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4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Mobile source emissions results are presented in Sections 2.6. No further detailed breakdown of emissions is available.

4.1.2. Mitigated

Mobile source emissions results are presented in Sections 2.5. No further detailed breakdown of emissions is available.

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	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—
Annual	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—

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	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—
Annual	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—

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	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
General Light Industry	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—
General Light Industry	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Annual	—	—	—	—	—	—
General Light Industry	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

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	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
General Light Industry	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—
General Light Industry	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Annual	—	—	—	—	—	—
General Light Industry	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	—	0.01	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005
Total	< 0.005	0.02	< 0.005	0.01	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	—	0.01	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—
Total	0.00	0.02	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	—	< 0.005	—	—	—	—
Architectural Coatings	—	< 0.005	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

4.3.1. Mitigated

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

Source	TOG	ROG	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	—	0.01	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005
Total	< 0.005	0.02	< 0.005	0.01	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—

Hearths	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	—	0.01	—	—	—	—
Architectural Coatings	—	0.01	—	—	—	—
Total	0.00	0.02	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	—	< 0.005	—	—	—	—
Architectural Coatings	—	< 0.005	—	—	—	—
Landscape Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—
Annual	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—

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

4.4.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—
Annual	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—
Annual	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—

4.5.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—
Annual	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Parking Lot	—	—	—	—	—	—
Total	—	—	—	—	—	—

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	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Total	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Total	—	—	—	—	—	—
Annual	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Total	—	—	—	—	—	—

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	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Total	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Total	—	—	—	—	—	—
Annual	—	—	—	—	—	—
General Light Industry	—	—	—	—	—	—
Total	—	—	—	—	—	—

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	PM10T	PM2.5T
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	PM10T	PM2.5T
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	PM10T	PM2.5T
----------------	-----	-----	-----	----	-------	--------

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)

Equipment Type	TOG	ROG	NOx	CO	PM10T	PM2.5T
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)

Equipment Type	TOG	ROG	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
Total	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Total	—	—	—	—	—	—
Annual	—	—	—	—	—	—

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

4.9.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
Total	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—
Total	—	—	—	—	—	—
Annual	—	—	—	—	—	—
Total	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	TOG	ROG	NOx	CO	PM10T	PM2.5T
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	PM10T	PM2.5T
----------	-----	-----	-----	----	-------	--------

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	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
Avoided	—	—	—	—	—	—
Deciduous	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Evergreen	—	< 0.005	< 0.005	—	0.01	< 0.005
Washingtonia robusta	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Lagerstroemia indica	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Laurus nobilis	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Platanus acerifolia	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Subtotal	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Sequestered	—	—	—	—	—	—
Deciduous	—	—	—	—	—	—
Evergreen	—	—	—	—	—	—
Washingtonia robusta	—	—	—	—	—	—
Lagerstroemia indica	—	—	—	—	—	—
Laurus nobilis	—	—	—	—	—	—
Platanus acerifolia	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—

Removed	—	—	—	—	—	—
Deciduous	—	—	< 0.005	—	< 0.005	< 0.005
Evergreen	—	—	< 0.005	—	< 0.005	< 0.005
Washingtonia robusta	—	—	< 0.005	—	< 0.005	< 0.005
Lagerstroemia indica	—	—	> -0.005	—	> -0.005	> -0.005
Laurus nobilis	—	—	> -0.005	—	> -0.005	> -0.005
Platanus acerifolia	—	—	> -0.005	—	> -0.005	> -0.005
Subtotal	—	—	< 0.005	—	< 0.005	< 0.005
—	—	—	—	—	—	—
Total	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—
Avoided	—	—	—	—	—	—
Deciduous	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Evergreen	—	< 0.005	< 0.005	—	0.01	< 0.005
Washingtonia robusta	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Lagerstroemia indica	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Laurus nobilis	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Platanus acerifolia	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Subtotal	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Sequestered	—	—	—	—	—	—
Deciduous	—	—	—	—	—	—
Evergreen	—	—	—	—	—	—
Washingtonia robusta	—	—	—	—	—	—
Lagerstroemia indica	—	—	—	—	—	—
Laurus nobilis	—	—	—	—	—	—
Platanus acerifolia	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—

Removed	—	—	—	—	—	—
Deciduous	—	—	< 0.005	—	< 0.005	< 0.005
Evergreen	—	—	< 0.005	—	< 0.005	< 0.005
Washingtonia robusta	—	—	< 0.005	—	< 0.005	< 0.005
Lagerstroemia indica	—	—	> -0.005	—	> -0.005	> -0.005
Laurus nobilis	—	—	> -0.005	—	> -0.005	> -0.005
Platanus acerifolia	—	—	> -0.005	—	> -0.005	> -0.005
Subtotal	—	—	< 0.005	—	< 0.005	< 0.005
—	—	—	—	—	—	—
Total	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Annual	—	—	—	—	—	—
Avoided	—	—	—	—	—	—
Deciduous	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Evergreen	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Washingtonia robusta	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Lagerstroemia indica	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Laurus nobilis	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Platanus acerifolia	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Subtotal	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Sequestered	—	—	—	—	—	—
Deciduous	—	—	—	—	—	—
Evergreen	—	—	—	—	—	—
Washingtonia robusta	—	—	—	—	—	—
Lagerstroemia indica	—	—	—	—	—	—
Laurus nobilis	—	—	—	—	—	—
Platanus acerifolia	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—

Removed	—	—	—	—	—	—
Deciduous	—	—	< 0.005	—	< 0.005	< 0.005
Evergreen	—	—	< 0.005	—	< 0.005	< 0.005
Washingtonia robusta	—	—	< 0.005	—	< 0.005	< 0.005
Lagerstroemia indica	—	—	> -0.005	—	> -0.005	> -0.005
Laurus nobilis	—	—	> -0.005	—	> -0.005	> -0.005
Platanus acerifolia	—	—	> -0.005	—	> -0.005	> -0.005
Subtotal	—	—	< 0.005	—	< 0.005	< 0.005
—	—	—	—	—	—	—
Total	—	< 0.005	< 0.005	—	< 0.005	< 0.005

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	PM10T	PM2.5T
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	PM10T	PM2.5T
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	PM10T	PM2.5T
Daily, Summer (Max)	—	—	—	—	—	—
Avoided	—	—	—	—	—	—
Deciduous	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Evergreen	—	< 0.005	< 0.005	—	0.01	< 0.005
Washingtonia robusta	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Lagerstroemia indica	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Laurus nobilis	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Platanus acerifolia	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Subtotal	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Sequestered	—	—	—	—	—	—
Deciduous	—	—	—	—	—	—
Evergreen	—	—	—	—	—	—
Washingtonia robusta	—	—	—	—	—	—
Lagerstroemia indica	—	—	—	—	—	—
Laurus nobilis	—	—	—	—	—	—
Platanus acerifolia	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—
Removed	—	—	—	—	—	—
Deciduous	—	—	< 0.005	—	< 0.005	< 0.005
Evergreen	—	—	< 0.005	—	< 0.005	< 0.005

Washingtonia robusta	—	—	< 0.005	—	< 0.005	< 0.005
Lagerstroemia indica	—	—	> -0.005	—	> -0.005	> -0.005
Laurus nobilis	—	—	> -0.005	—	> -0.005	> -0.005
Platanus acerifolia	—	—	> -0.005	—	> -0.005	> -0.005
Subtotal	—	—	< 0.005	—	< 0.005	< 0.005
—	—	—	—	—	—	—
Total	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—
Avoided	—	—	—	—	—	—
Deciduous	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Evergreen	—	< 0.005	< 0.005	—	0.01	< 0.005
Washingtonia robusta	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Lagerstroemia indica	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Laurus nobilis	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Platanus acerifolia	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Subtotal	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Sequestered	—	—	—	—	—	—
Deciduous	—	—	—	—	—	—
Evergreen	—	—	—	—	—	—
Washingtonia robusta	—	—	—	—	—	—
Lagerstroemia indica	—	—	—	—	—	—
Laurus nobilis	—	—	—	—	—	—
Platanus acerifolia	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—
Removed	—	—	—	—	—	—
Deciduous	—	—	< 0.005	—	< 0.005	< 0.005
Evergreen	—	—	< 0.005	—	< 0.005	< 0.005

Washingtonia robusta	—	—	< 0.005	—	< 0.005	< 0.005
Lagerstroemia indica	—	—	> -0.005	—	> -0.005	> -0.005
Laurus nobilis	—	—	> -0.005	—	> -0.005	> -0.005
Platanus acerifolia	—	—	> -0.005	—	> -0.005	> -0.005
Subtotal	—	—	< 0.005	—	< 0.005	< 0.005
—	—	—	—	—	—	—
Total	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Annual	—	—	—	—	—	—
Avoided	—	—	—	—	—	—
Deciduous	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Evergreen	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Washingtonia robusta	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Lagerstroemia indica	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Laurus nobilis	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Platanus acerifolia	—	> -0.005	> -0.005	—	> -0.005	> -0.005
Subtotal	—	< 0.005	< 0.005	—	< 0.005	< 0.005
Sequestered	—	—	—	—	—	—
Deciduous	—	—	—	—	—	—
Evergreen	—	—	—	—	—	—
Washingtonia robusta	—	—	—	—	—	—
Lagerstroemia indica	—	—	—	—	—	—
Laurus nobilis	—	—	—	—	—	—
Platanus acerifolia	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—
Removed	—	—	—	—	—	—
Deciduous	—	—	< 0.005	—	< 0.005	< 0.005
Evergreen	—	—	< 0.005	—	< 0.005	< 0.005

Washingtonia robusta	—	—	< 0.005	—	< 0.005	< 0.005
Lagerstroemia indica	—	—	> -0.005	—	> -0.005	> -0.005
Laurus nobilis	—	—	> -0.005	—	> -0.005	> -0.005
Platanus acerifolia	—	—	> -0.005	—	> -0.005	> -0.005
Subtotal	—	—	< 0.005	—	< 0.005	< 0.005
—	—	—	—	—	—	—
Total	—	< 0.005	< 0.005	—	< 0.005	< 0.005

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	9/30/2023	10/28/2023	5.00	20.0	—
Site Preparation	Site Preparation	10/29/2023	11/5/2023	5.00	5.00	—
Grading	Grading	11/6/2023	11/17/2023	5.00	8.00	—
Building Construction	Building Construction	11/18/2023	10/5/2024	5.00	230	—
Paving	Paving	10/6/2024	10/31/2024	5.00	18.0	—
Architectural Coating	Architectural Coating	11/1/2024	11/26/2024	5.00	18.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38

Site Preparation	Tractors/Loaders/Backh	Diesel	Average	4.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backh oes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backh oes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backh oes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Site Preparation	Tractors/Loaders/Backh oes	Diesel	Average	4.00	8.00	84.0	0.37

Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	14.3	LDA,LDT1,LDT2
Demolition	Vendor	—	8.80	HHDT,MHDT
Demolition	Hauling	13.2	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT

Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	12.5	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.06	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	0.03	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.01	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	14.3	LDA,LDT1,LDT2
Demolition	Vendor	—	8.80	HHDT,MHDT
Demolition	Hauling	13.2	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	14.3	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.80	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	12.5	14.3	LDA,LDT1,LDT2
Grading	Vendor	—	8.80	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.06	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	0.03	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	14.3	LDA,LDT1,LDT2
Paving	Vendor	—	8.80	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—

Architectural Coating	Worker	0.01	14.3	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.80	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	230	76.5	6,273

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	22,807	—
Site Preparation	—	—	7.50	0.00	—
Grading	—	—	4.00	0.00	—
Paving	0.00	0.00	0.00	0.00	4.60

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

Water Demolished Area	2	36%	36%
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5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
General Light Industry	2.20	0%
Parking Lot	2.40	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	375	0.01	< 0.005
2024	0.00	375	0.01	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMt/Weekday	VMt/Saturday	VMt/Sunday	VMt/Year
Total all Land Uses	221	0.00	0.00	57,618	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMt/Weekday	VMt/Saturday	VMt/Sunday	VMt/Year
Total all Land Uses	221	0.00	0.00	57,618	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
General Light Industry	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
General Light Industry	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	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)
0	0.00	230	76.5	6,273

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00

Summer Days	day/yr	250
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5.10.4. Landscape Equipment - Mitigated

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)
General Light Industry	1,376	375	0.0129	0.0017	6,051
Parking Lot	91,581	375	0.0129	0.0017	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)
General Light Industry	1,376	375	0.0129	0.0017	6,051
Parking Lot	91,581	375	0.0129	0.0017	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Light Industry	231,250	188,699
Parking Lot	0.00	20,572

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Light Industry	231,250	188,699
Parking Lot	0.00	20,572

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Light Industry	1.24	—
Parking Lot	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Light Industry	1.24	—
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
General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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General Light Industry	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
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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
—	—

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)
Lagerstroemia indica	7.00	5,416	7.00
Laurus nobilis	4.00	16,188	20.0
Platanus acerifolia	5.00	15,070	18.0
Deciduous	-16.0	60,784	80.0
Evergreen	-3.00	15,441	79.0
Washingtonia robusta	-2.00	1,829	3.00

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Lagerstroemia indica	7.00	5,416	7.00
Laurus nobilis	4.00	16,188	20.0
Platanus acerifolia	5.00	15,070	18.0
Deciduous	-16.0	60,784	80.0
Evergreen	-3.00	15,441	79.0
Washingtonia robusta	-2.00	1,829	3.00

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	24.1	annual days of extreme heat
Extreme Precipitation	6.45	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.69	annual hectares burned

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

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

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	3	0	N/A
Extreme Precipitation	2	3	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	2	0	N/A
Flooding	1	2	0	N/A
Drought	5	3	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	3	0	N/A

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

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

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	4	3	1	5
Extreme Precipitation	2	3	1	4
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	2	1	3
Flooding	1	2	1	3
Drought	5	3	1	5
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	5	3	1	5

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	62.5
AQ-PM	34.0
AQ-DPM	87.3
Drinking Water	78.5
Lead Risk Housing	73.3
Pesticides	0.00
Toxic Releases	20.1
Traffic	94.0
Effect Indicators	—
CleanUp Sites	11.8
Groundwater	54.5
Haz Waste Facilities/Generators	47.4
Impaired Water Bodies	58.7
Solid Waste	0.00
Sensitive Population	—
Asthma	95.2
Cardio-vascular	84.2
Low Birth Weights	41.7
Socioeconomic Factor Indicators	—

Education	44.9
Housing	79.6
Linguistic	58.6
Poverty	78.5
Unemployment	59.4

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	18.2599769
Employed	20.45425382
Median HI	15.23161812
Education	—
Bachelor's or higher	31.19466188
High school enrollment	100
Preschool enrollment	63.01809316
Transportation	—
Auto Access	17.51571924
Active commuting	42.3200308
Social	—
2-parent households	19.79982035
Voting	38.29077377
Neighborhood	—
Alcohol availability	45.05325292
Park access	53.90735275
Retail density	87.48877197

Supermarket access	56.78172719
Tree canopy	86.06441678
Housing	—
Homeownership	17.61837547
Housing habitability	17.66970358
Low-inc homeowner severe housing cost burden	13.26831772
Low-inc renter severe housing cost burden	14.65417683
Uncrowded housing	45.59219813
Health Outcomes	—
Insured adults	50.3143847
Arthritis	0.0
Asthma ER Admissions	5.4
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	3.0
Cognitively Disabled	5.8
Physically Disabled	30.9
Heart Attack ER Admissions	17.8
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	85.9
Physical Health Not Good	0.0

Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	10.6
Elderly	64.0
English Speaking	51.6
Foreign-born	32.9
Outdoor Workers	35.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	31.5
Traffic Density	90.6
Traffic Access	67.1
Other Indices	—
Hardship	65.3
Other Decision Support	—
2016 Voting	24.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	79.0
Healthy Places Index Score for Project Location (b)	24.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No

Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

Measure Title	Co-Benefits Achieved
CCD-1: Consult Pre-existing Community Knowledge/Priorities	Social Equity
CCD-2: Conduct a Stakeholder Analysis and Develop a Community-Centered Outreach Plan	Social Equity
CCD-3: Conduct a Community Needs Assessment	Social Equity
CCD-4: Conduct Community Asset Mapping	Enhanced Energy Security, Social Equity
CCD-5: Establish a Community Benefits Agreement	Social Equity
IE-1: Prioritize Outreach to Communities of Color and Underserved Groups	Social Equity
IE-4: Inclusive Community Meetings	Social Equity
IE-5: Provide Education on Essential Topics Related to Project	Social Equity
IE-6: Conduct an Equity Assessment with Community Project Steering Committee	Social Equity
A-5: Public Disclosure of Project Commitments	Social Equity
CE-1: Create a Construction Plan with Community Input	Social Equity
CE-2: Ensure Active Modes Access During Construction	Energy and Fuel Savings, Enhanced Pedestrian or Traffic Safety, Improved Public Health, Social Equity, VMT Reductions
CE-5: Air Quality Monitoring and Response Plan	Improved Air Quality, Improved Public Health, Social Equity
PH-1: Establish Vegetative Barriers to Reduce Pollution Exposure	Improved Air Quality, Improved Ecosystem Health, Improved Public Health, Social Equity
PH-2: Increase Urban Tree Canopy and Green Spaces	Energy and Fuel Savings, Enhanced Energy Security, Improved Air Quality, Improved Ecosystem Health, Improved Public Health, Social Equity
IC-2: Adopt Design Standards	Improved Air Quality, Social Equity
IC-3: Promotes Accessibility	Enhanced Pedestrian or Traffic Safety, Social Equity

7.5. Evaluation Scorecard

This table summarizes the points earned for each health and equity measure category, and the total possible points for each category. If N/A is selected for any measure(s), the total possible points in that category are reduced accordingly. The points for each category are then weighted on a 15-point scale to determine the score per category and a total weighted score.

Category	Number of Applicable Measures	Total Points Earned by Applicable Measures	Max Possible Points	Weighted Score
Community-Centered Development	5.00	7.00	25.0	4.00
Inclusive Engagement	4.00	6.00	20.0	4.29
Accountability	1.00	4.00	5.00	11.4
Construction Equity	3.00	11.0	15.0	10.5
Public Health and Air Quality	2.00	9.00	10.0	12.9
Inclusive Economics & Prosperity	0.00	0.00	0.00	0.00
Inclusive Communities	2.00	10.0	10.0	14.3
Total	17.0	47.0	85.0	57.3

Based on the weighted score of 57 out of a total 85 possible points, your project qualifies for the Seedling equity award level.

Organization(s) consulted by the user to complete the Health & Equity Scorecard: Sacramento County Planning and Environmental Review



7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Project Details	operational estimate.
Land Use	Changed lot acreage to match using general light industry (more closely matches self-storage project).
Construction: Paving	Estimated acreage.

Operations: Hearths	user error.
Construction: Off-Road Equipment	Deletion error.
Construction: Dust From Material Movement	Error.