APPENDIX G

Willowgrove Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Willowgrove
Construction Start Date	4/1/2027
Operational Year	2035
Lead Agency	City of Davis
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	18.2
Location	38.569337703096465, -121.70844952240817
County	Yolo
City	Unincorporated
Air District	Yolo/Solano AQMD
Air Basin	Sacramento Valley
TAZ	317
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	712	Dwelling Unit	91.2	1,388,400	3,541,000	—	1,972	—

Apartments Low Rise	288	Dwelling Unit	52.6	305,280	0.00	—	798	—
Apartments Mid Rise	250	Dwelling Unit	14.9	240,000	0.00	—	692	—
Day-Care Center	6.30	1000sqft	0.14	6,300	0.00	—	—	—
Parking Lot	215	Space	2.29	0.00	0.00	—	—	—
Fast Food Restaurant w/o Drive Thru	5.00	1000sqft	1.50	5,000	0.00	—	—	—
City Park	19.2	Acre	19.2	0.00	849,420	849,420	—	—
City Park	50.4	Acre	50.4	0.00	2,195,424	2,195,424	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.8	14.2	34.9	50.3	0.08	1.43	19.8	21.0	1.32	10.1	11.2	—	13,893	13,893	0.34	0.59	25.9	14,103
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.7	14.1	35.0	43.0	0.08	1.43	16.3	17.7	1.32	7.12	8.44	—	13,251	13,251	0.36	0.85	0.76	13,515

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.4	9.96	16.8	30.0	0.04	0.69	8.42	9.11	0.64	3.84	4.48	—	9,438	9,438	0.23	0.60	7.98	9,630
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.90	1.82	3.06	5.48	0.01	0.13	1.54	1.66	0.12	0.70	0.82	—	1,563	1,563	0.04	0.10	1.32	1,594

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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.85	4.09	34.9	36.9	0.08	1.43	19.8	21.0	1.32	10.1	11.2	—	8,480	8,480	0.34	0.08	0.99	8,512
2028	0.89	0.75	6.66	10.7	0.01	0.26	0.15	0.41	0.24	0.04	0.27	—	1,671	1,671	0.06	0.02	0.49	1,679
2029	0.87	0.73	6.49	10.6	0.01	0.24	0.15	0.39	0.22	0.04	0.26	—	1,668	1,668	0.06	0.01	0.44	1,674
2030	14.8	14.2	14.5	50.3	0.05	0.30	8.86	9.16	0.28	2.12	2.39	—	13,893	13,893	0.31	0.59	25.9	14,103
2031	14.6	14.1	14.0	48.2	0.05	0.28	8.86	9.14	0.26	2.12	2.38	—	13,661	13,661	0.31	0.57	22.8	13,860
2032	14.3	13.9	13.6	46.6	0.05	0.26	8.86	9.12	0.24	2.12	2.36	—	13,442	13,442	0.26	0.54	20.0	13,630
2033	14.2	13.8	13.0	45.1	0.05	0.24	8.86	9.10	0.22	2.12	2.34	—	13,236	13,236	0.26	0.54	17.4	13,421
2034	14.0	13.7	12.7	43.7	0.05	0.22	8.86	9.09	0.21	2.12	2.33	—	13,043	13,043	0.26	0.51	15.1	13,218
2035	14.0	13.7	12.4	42.4	0.05	0.21	8.86	9.07	0.20	2.12	2.32	—	12,864	12,864	0.24	0.51	12.9	13,036
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.84	4.07	35.0	36.5	0.08	1.43	16.3	17.7	1.32	7.12	8.44	—	8,447	8,447	0.34	0.08	0.03	8,479
2028	0.88	0.74	6.67	10.5	0.01	0.26	0.15	0.41	0.24	0.04	0.27	—	1,654	1,654	0.06	0.02	0.01	1,661
2029	14.7	14.1	16.0	43.0	0.05	0.31	8.86	9.18	0.29	2.12	2.41	—	13,251	13,251	0.36	0.85	0.76	13,515
2030	14.6	14.0	15.3	41.3	0.05	0.30	8.86	9.16	0.28	2.12	2.39	—	13,032	13,032	0.34	0.85	0.67	13,296
2031	14.2	13.9	14.6	39.8	0.05	0.28	8.86	9.14	0.26	2.12	2.38	—	12,815	12,815	0.34	0.81	0.59	13,066

2032	14.1	13.7	14.2	38.6	0.05	0.26	8.86	9.12	0.24	2.12	2.36	—	12,609	12,609	0.30	0.79	0.52	12,851
2033	14.0	13.7	13.6	37.5	0.05	0.24	8.86	9.10	0.22	2.12	2.34	—	12,415	12,415	0.30	0.54	0.45	12,583
2034	13.9	13.6	13.3	36.4	0.05	0.22	8.86	9.09	0.21	2.12	2.33	—	12,232	12,232	0.30	0.51	0.39	12,393
2035	13.8	13.5	13.0	35.2	0.05	0.21	8.86	9.07	0.20	2.12	2.32	—	12,062	12,062	0.28	0.51	0.34	12,223
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.30	1.94	16.8	17.7	0.04	0.69	8.42	9.11	0.64	3.84	4.48	—	3,917	3,917	0.16	0.04	0.20	3,932
2028	0.63	0.53	4.77	7.51	0.01	0.18	0.11	0.29	0.17	0.03	0.19	—	1,187	1,187	0.05	0.01	0.15	1,192
2029	2.53	2.36	6.06	12.6	0.02	0.18	1.45	1.64	0.17	0.35	0.52	—	3,035	3,035	0.09	0.14	2.08	3,081
2030	10.4	9.96	10.7	30.0	0.04	0.21	6.26	6.47	0.20	1.50	1.69	—	9,438	9,438	0.23	0.60	7.98	9,630
2031	10.1	9.89	10.3	28.8	0.04	0.20	6.26	6.46	0.18	1.50	1.68	—	9,280	9,280	0.23	0.40	7.04	9,414
2032	10.1	9.83	9.89	27.9	0.04	0.19	6.27	6.46	0.17	1.50	1.67	—	9,156	9,156	0.20	0.39	6.19	9,283
2033	9.99	9.76	9.61	27.1	0.04	0.17	6.26	6.43	0.16	1.50	1.65	—	8,991	8,991	0.20	0.39	5.38	9,116
2034	9.90	9.69	9.40	26.3	0.04	0.16	6.26	6.42	0.15	1.50	1.64	—	8,859	8,859	0.20	0.37	4.66	8,978
2035	3.22	3.16	2.69	7.69	0.01	0.04	1.89	1.93	0.04	0.45	0.49	—	2,620	2,620	0.06	0.11	1.20	2,655
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.42	0.35	3.06	3.22	0.01	0.13	1.54	1.66	0.12	0.70	0.82	—	649	649	0.03	0.01	0.03	651
2028	0.12	0.10	0.87	1.37	< 0.005	0.03	0.02	0.05	0.03	< 0.005	0.04	—	197	197	0.01	< 0.005	0.02	197
2029	0.46	0.43	1.11	2.30	< 0.005	0.03	0.27	0.30	0.03	0.06	0.09	—	502	502	0.01	0.02	0.34	510
2030	1.90	1.82	1.95	5.48	0.01	0.04	1.14	1.18	0.04	0.27	0.31	—	1,563	1,563	0.04	0.10	1.32	1,594
2031	1.85	1.81	1.89	5.26	0.01	0.04	1.14	1.18	0.03	0.27	0.31	—	1,536	1,536	0.04	0.07	1.16	1,559
2032	1.84	1.79	1.81	5.10	0.01	0.03	1.15	1.18	0.03	0.27	0.31	—	1,516	1,516	0.03	0.06	1.02	1,537
2033	1.82	1.78	1.75	4.94	0.01	0.03	1.14	1.17	0.03	0.27	0.30	—	1,489	1,489	0.03	0.06	0.89	1,509
2034	1.81	1.77	1.72	4.81	0.01	0.03	1.14	1.17	0.03	0.27	0.30	—	1,467	1,467	0.03	0.06	0.77	1,486
2035	0.59	0.58	0.49	1.40	< 0.005	0.01	0.34	0.35	0.01	0.08	0.09	—	434	434	0.01	0.02	0.20	440

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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.85	4.09	34.9	36.9	0.08	1.43	19.8	21.0	1.32	10.1	11.2	—	8,480	8,480	0.34	0.08	0.99	8,512
2028	0.89	0.75	6.66	10.7	0.01	0.26	0.15	0.41	0.24	0.04	0.27	—	1,671	1,671	0.06	0.02	0.49	1,679
2029	0.87	0.73	6.49	10.6	0.01	0.24	0.15	0.39	0.22	0.04	0.26	—	1,668	1,668	0.06	0.01	0.44	1,674
2030	14.8	14.2	14.5	50.3	0.05	0.30	8.86	9.16	0.28	2.12	2.39	—	13,893	13,893	0.31	0.59	25.9	14,103
2031	14.6	14.1	14.0	48.2	0.05	0.28	8.86	9.14	0.26	2.12	2.38	—	13,661	13,661	0.31	0.57	22.8	13,860
2032	14.3	13.9	13.6	46.6	0.05	0.26	8.86	9.12	0.24	2.12	2.36	—	13,442	13,442	0.26	0.54	20.0	13,630
2033	14.2	13.8	13.0	45.1	0.05	0.24	8.86	9.10	0.22	2.12	2.34	—	13,236	13,236	0.26	0.54	17.4	13,421
2034	14.0	13.7	12.7	43.7	0.05	0.22	8.86	9.09	0.21	2.12	2.33	—	13,043	13,043	0.26	0.51	15.1	13,218
2035	14.0	13.7	12.4	42.4	0.05	0.21	8.86	9.07	0.20	2.12	2.32	—	12,864	12,864	0.24	0.51	12.9	13,036
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.84	4.07	35.0	36.5	0.08	1.43	16.3	17.7	1.32	7.12	8.44	—	8,447	8,447	0.34	0.08	0.03	8,479
2028	0.88	0.74	6.67	10.5	0.01	0.26	0.15	0.41	0.24	0.04	0.27	—	1,654	1,654	0.06	0.02	0.01	1,661
2029	14.7	14.1	16.0	43.0	0.05	0.31	8.86	9.18	0.29	2.12	2.41	—	13,251	13,251	0.36	0.85	0.76	13,515
2030	14.6	14.0	15.3	41.3	0.05	0.30	8.86	9.16	0.28	2.12	2.39	—	13,032	13,032	0.34	0.85	0.67	13,296
2031	14.2	13.9	14.6	39.8	0.05	0.28	8.86	9.14	0.26	2.12	2.38	—	12,815	12,815	0.34	0.81	0.59	13,066
2032	14.1	13.7	14.2	38.6	0.05	0.26	8.86	9.12	0.24	2.12	2.36	—	12,609	12,609	0.30	0.79	0.52	12,851
2033	14.0	13.7	13.6	37.5	0.05	0.24	8.86	9.10	0.22	2.12	2.34	—	12,415	12,415	0.30	0.54	0.45	12,583
2034	13.9	13.6	13.3	36.4	0.05	0.22	8.86	9.09	0.21	2.12	2.33	—	12,232	12,232	0.30	0.51	0.39	12,393
2035	13.8	13.5	13.0	35.2	0.05	0.21	8.86	9.07	0.20	2.12	2.32	—	12,062	12,062	0.28	0.51	0.34	12,223
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.30	1.94	16.8	17.7	0.04	0.69	8.42	9.11	0.64	3.84	4.48	—	3,917	3,917	0.16	0.04	0.20	3,932
2028	0.63	0.53	4.77	7.51	0.01	0.18	0.11	0.29	0.17	0.03	0.19	—	1,187	1,187	0.05	0.01	0.15	1,192
2029	2.53	2.36	6.06	12.6	0.02	0.18	1.45	1.64	0.17	0.35	0.52	—	3,035	3,035	0.09	0.14	2.08	3,081

2030	10.4	9.96	10.7	30.0	0.04	0.21	6.26	6.47	0.20	1.50	1.69	—	9,438	9,438	0.23	0.60	7.98	9,630
2031	10.1	9.89	10.3	28.8	0.04	0.20	6.26	6.46	0.18	1.50	1.68	—	9,280	9,280	0.23	0.40	7.04	9,414
2032	10.1	9.83	9.89	27.9	0.04	0.19	6.27	6.46	0.17	1.50	1.67	—	9,156	9,156	0.20	0.39	6.19	9,283
2033	9.99	9.76	9.61	27.1	0.04	0.17	6.26	6.43	0.16	1.50	1.65	—	8,991	8,991	0.20	0.39	5.38	9,116
2034	9.90	9.69	9.40	26.3	0.04	0.16	6.26	6.42	0.15	1.50	1.64	—	8,859	8,859	0.20	0.37	4.66	8,978
2035	3.22	3.16	2.69	7.69	0.01	0.04	1.89	1.93	0.04	0.45	0.49	—	2,620	2,620	0.06	0.11	1.20	2,655
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.42	0.35	3.06	3.22	0.01	0.13	1.54	1.66	0.12	0.70	0.82	—	649	649	0.03	0.01	0.03	651
2028	0.12	0.10	0.87	1.37	< 0.005	0.03	0.02	0.05	0.03	< 0.005	0.04	—	197	197	0.01	< 0.005	0.02	197
2029	0.46	0.43	1.11	2.30	< 0.005	0.03	0.27	0.30	0.03	0.06	0.09	—	502	502	0.01	0.02	0.34	510
2030	1.90	1.82	1.95	5.48	0.01	0.04	1.14	1.18	0.04	0.27	0.31	—	1,563	1,563	0.04	0.10	1.32	1,594
2031	1.85	1.81	1.89	5.26	0.01	0.04	1.14	1.18	0.03	0.27	0.31	—	1,536	1,536	0.04	0.07	1.16	1,559
2032	1.84	1.79	1.81	5.10	0.01	0.03	1.15	1.18	0.03	0.27	0.31	—	1,516	1,516	0.03	0.06	1.02	1,537
2033	1.82	1.78	1.75	4.94	0.01	0.03	1.14	1.17	0.03	0.27	0.30	—	1,489	1,489	0.03	0.06	0.89	1,509
2034	1.81	1.77	1.72	4.81	0.01	0.03	1.14	1.17	0.03	0.27	0.30	—	1,467	1,467	0.03	0.06	0.77	1,486
2035	0.59	0.58	0.49	1.40	< 0.005	0.01	0.34	0.35	0.01	0.08	0.09	—	434	434	0.01	0.02	0.20	440

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.	88.3	85.4	22.8	308	0.35	0.10	54.5	54.6	0.29	13.8	14.1	591	64,627	65,219	62.6	3.07	97.5	67,794
Mit.	88.3	85.4	22.8	308	0.35	0.10	54.5	54.6	0.29	13.8	14.1	591	62,252	62,843	62.2	3.02	97.5	65,396
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	1%	2%	—	4%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	79.2	76.5	25.9	209	0.30	0.07	54.5	54.5	0.26	13.8	14.1	591	59,782	60,373	62.9	3.29	23.7	62,951
Mit.	79.2	76.5	25.9	209	0.30	0.07	54.5	54.5	0.26	13.8	14.1	591	57,407	57,998	62.5	3.25	23.7	60,552
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	1%	1%	—	4%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	82.4	79.6	24.5	239	0.31	0.08	53.8	53.9	0.28	13.7	14.0	591	60,850	61,442	62.7	3.18	54.4	64,010
Mit.	82.4	79.6	24.5	239	0.31	0.08	53.8	53.9	0.28	13.7	14.0	591	58,475	59,067	62.3	3.13	54.4	61,612
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	1%	1%	—	4%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.0	14.5	4.47	43.7	0.06	0.02	9.83	9.84	0.05	2.50	2.55	97.9	10,074	10,172	10.4	0.53	9.01	10,598
Mit.	15.0	14.5	4.47	43.7	0.06	0.02	9.83	9.84	0.05	2.50	2.55	97.9	9,681	9,779	10.3	0.52	9.01	10,201
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	1%	1%	—	4%

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	34.0	31.6	22.2	236	0.58	0.35	54.8	55.1	0.33	13.9	14.3	—	59,241	59,241	2.38	2.75	75.8	60,197
Area	54.3	54.0	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	192	192	0.01	< 0.005	—	192
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	5,199	5,199	0.82	0.10	—	5,248
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7

Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	88.3	85.4	22.8	308	0.35	0.10	54.5	54.6	0.29	13.8	14.1	591	64,627	65,219	62.6	3.07	97.5	67,794
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.5	29.0	25.9	209	0.53	0.35	54.8	55.1	0.33	13.9	14.3	—	54,588	54,588	2.70	2.98	1.97	55,546
Area	47.7	47.7	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
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	5,199	5,199	0.82	0.10	—	5,248
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	79.2	76.5	25.9	209	0.30	0.07	54.5	54.5	0.26	13.8	14.1	591	59,782	60,373	62.9	3.29	23.7	62,951
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.4	29.0	24.2	204	0.54	0.35	54.1	54.5	0.33	13.8	14.1	—	55,562	55,562	2.52	2.86	32.7	56,510
Area	51.0	50.8	0.32	35.4	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	94.5	94.5	< 0.005	< 0.005	—	94.8
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	5,199	5,199	0.82	0.10	—	5,248
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	82.4	79.6	24.5	239	0.31	0.08	53.8	53.9	0.28	13.7	14.0	591	60,850	61,442	62.7	3.18	54.4	64,010
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.74	5.30	4.41	37.2	0.10	0.06	9.88	9.94	0.06	2.51	2.57	—	9,199	9,199	0.42	0.47	5.42	9,356
Area	9.31	9.27	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7
Energy	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	861	861	0.14	0.02	—	869
Water	—	—	—	—	—	—	—	—	—	—	—	14.4	34.7	49.1	1.48	0.04	—	96.8

Waste	—	—	—	—	—	—	—	—	—	—	—	83.5	0.00	83.5	8.35	0.00	—	292
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.59	3.59
Vegetation	—	-0.04	-0.04	—	-0.04	-0.05	-0.05	-0.11	-0.01	-0.01	-0.03	—	-35.4	-35.4	—	—	—	-35.4
Total	15.0	14.5	4.47	43.7	0.06	0.02	9.83	9.84	0.05	2.50	2.55	97.9	10,074	10,172	10.4	0.53	9.01	10,598

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	34.0	31.6	22.2	236	0.58	0.35	54.8	55.1	0.33	13.9	14.3	—	59,241	59,241	2.38	2.75	75.8	60,197
Area	54.3	54.0	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	192	192	0.01	< 0.005	—	192
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	2,824	2,824	0.44	0.05	—	2,849
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	88.3	85.4	22.8	308	0.35	0.10	54.5	54.6	0.29	13.8	14.1	591	62,252	62,843	62.2	3.02	97.5	65,396
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.5	29.0	25.9	209	0.53	0.35	54.8	55.1	0.33	13.9	14.3	—	54,588	54,588	2.70	2.98	1.97	55,546
Area	47.7	47.7	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
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	2,824	2,824	0.44	0.05	—	2,849
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7

Vegetati	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	79.2	76.5	25.9	209	0.30	0.07	54.5	54.5	0.26	13.8	14.1	591	57,407	57,998	62.5	3.25	23.7	60,552
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.4	29.0	24.2	204	0.54	0.35	54.1	54.5	0.33	13.8	14.1	—	55,562	55,562	2.52	2.86	32.7	56,510
Area	51.0	50.8	0.32	35.4	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	94.5	94.5	< 0.005	< 0.005	—	94.8
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	2,824	2,824	0.44	0.05	—	2,849
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	82.4	79.6	24.5	239	0.31	0.08	53.8	53.9	0.28	13.7	14.0	591	58,475	59,067	62.3	3.13	54.4	61,612
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.74	5.30	4.41	37.2	0.10	0.06	9.88	9.94	0.06	2.51	2.57	—	9,199	9,199	0.42	0.47	5.42	9,356
Area	9.31	9.27	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7
Energy	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	467	467	0.07	0.01	—	472
Water	—	—	—	—	—	—	—	—	—	—	—	14.4	34.7	49.1	1.48	0.04	—	96.8
Waste	—	—	—	—	—	—	—	—	—	—	—	83.5	0.00	83.5	8.35	0.00	—	292
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.59	3.59
Vegetation	—	-0.04	-0.04	—	-0.04	-0.05	-0.05	-0.11	-0.01	-0.01	-0.03	—	-35.4	-35.4	—	—	—	-35.4
Total	15.0	14.5	4.47	43.7	0.06	0.02	9.83	9.84	0.05	2.50	2.55	97.9	9,681	9,779	10.3	0.52	9.01	10,201

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63	3.05	28.0	28.3	0.05	1.17	—	1.17	1.08	—	1.08	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.33	3.07	3.10	0.01	0.13	—	0.13	0.12	—	0.12	—	581	581	0.02	< 0.005	—	583
Dust From Material Movement	—	—	—	—	—	—	2.15	2.15	—	1.11	1.11	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.56	0.57	< 0.005	0.02	—	0.02	0.02	—	0.02	—	96.1	96.1	< 0.005	< 0.005	—	96.5
Dust From Material Movement	—	—	—	—	—	—	0.39	0.39	—	0.20	0.20	—	—	—	—	—	—	—

Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.92	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	191	191	< 0.005	0.01	0.63	193
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.4
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.16	3.16	< 0.005	< 0.005	< 0.005	3.21
Vendor	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
Hauling	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

3.2. Site Preparation (2027) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.63	3.05	28.0	28.3	0.05	1.17	—	1.17	1.08	—	1.08	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.33	3.07	3.10	0.01	0.13	—	0.13	0.12	—	0.12	—	581	581	0.02	< 0.005	—	583
Dust From Material Movement	—	—	—	—	—	—	2.15	2.15	—	1.11	1.11	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.56	0.57	< 0.005	0.02	—	0.02	0.02	—	0.02	—	96.1	96.1	< 0.005	< 0.005	—	96.5
Dust From Material Movement	—	—	—	—	—	—	0.39	0.39	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.92	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	191	191	< 0.005	0.01	0.63	193
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.4
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.16	3.16	< 0.005	< 0.005	< 0.005	3.21
Vendor	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
Hauling	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

3.3. Grading (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.74	3.99	34.9	35.4	0.08	1.43	—	1.43	1.32	—	1.32	—	8,180	8,180	0.33	0.07	—	8,208

Dust From Material Movement	—	—	—	—	—	—	16.0	16.0	—	7.06	7.06	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.74	3.99	34.9	35.4	0.08	1.43	—	1.43	1.32	—	1.32	—	8,180	8,180	0.33	0.07	—	8,208
Dust From Material Movement	—	—	—	—	—	—	16.0	16.0	—	7.06	7.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	1.53	13.4	13.6	0.03	0.55	—	0.55	0.51	—	0.51	—	3,138	3,138	0.13	0.03	—	3,148
Dust From Material Movement	—	—	—	—	—	—	6.14	6.14	—	2.71	2.71	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.44	2.48	0.01	0.10	—	0.10	0.09	—	0.09	—	519	519	0.02	< 0.005	—	521

Dust From Material Movement	—	—	—	—	—	—	1.12	1.12	—	0.49	0.49	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.07	1.45	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	300	300	< 0.005	0.01	0.99	304
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.09	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	267	267	0.01	0.01	0.03	271
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.42	0.00	0.00	0.11	0.11	0.00	0.02	0.02	—	105	105	< 0.005	< 0.005	0.16	107
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.03	17.6
Vendor	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
Hauling	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

3.4. Grading (2027) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.74	3.99	34.9	35.4	0.08	1.43	—	1.43	1.32	—	1.32	—	8,180	8,180	0.33	0.07	—	8,208
Dust From Material Movement	—	—	—	—	—	—	16.0	16.0	—	7.06	7.06	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.74	3.99	34.9	35.4	0.08	1.43	—	1.43	1.32	—	1.32	—	8,180	8,180	0.33	0.07	—	8,208
Dust From Material Movement	—	—	—	—	—	—	16.0	16.0	—	7.06	7.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	1.53	13.4	13.6	0.03	0.55	—	0.55	0.51	—	0.51	—	3,138	3,138	0.13	0.03	—	3,148
Dust From Material Movement	—	—	—	—	—	—	6.14	6.14	—	2.71	2.71	—	—	—	—	—	—	—

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.44	2.48	0.01	0.10	—	0.10	0.09	—	0.09	—	519	519	0.02	< 0.005	—	521
Dust From Material Movement	—	—	—	—	—	—	1.12	1.12	—	0.49	0.49	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.07	1.45	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	300	300	< 0.005	0.01	0.99	304
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.09	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	267	267	0.01	0.01	0.03	271
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.42	0.00	0.00	0.11	0.11	0.00	0.02	0.02	—	105	105	< 0.005	< 0.005	0.16	107
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.03	17.6

Vendor	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
Hauling	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

3.5. Building Construction (2029) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.15	1.38	2.07	< 0.005	0.04	—	0.04	0.04	—	0.04	—	385	385	0.02	< 0.005	—	386
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	63.7	63.7	< 0.005	< 0.005	—	63.9
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	1.93	1.89	22.9	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,071	6,071	0.13	0.26	0.49	6,153
Vendor	0.21	0.07	4.31	1.54	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,435	3,435	0.10	0.52	0.17	3,593
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.31	0.26	3.72	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	999	999	0.02	0.04	1.31	1,013
Vendor	0.03	0.01	0.68	0.25	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	551	551	0.02	0.08	0.44	577
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.68	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	165	165	< 0.005	0.01	0.22	168
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	91.2	91.2	< 0.005	0.01	0.07	95.5
Hauling	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

3.6. Building Construction (2029) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.15	1.38	2.07	< 0.005	0.04	—	0.04	0.04	—	0.04	—	385	385	0.02	< 0.005	—	386
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	63.7	63.7	< 0.005	< 0.005	—	63.9
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	1.93	1.89	22.9	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,071	6,071	0.13	0.26	0.49	6,153
Vendor	0.21	0.07	4.31	1.54	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,435	3,435	0.10	0.52	0.17	3,593
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.31	0.26	3.72	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	999	999	0.02	0.04	1.31	1,013
Vendor	0.03	0.01	0.68	0.25	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	551	551	0.02	0.08	0.44	577
Hauling	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.68	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	165	165	< 0.005	0.01	0.22	168
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	91.2	91.2	< 0.005	0.01	0.07	95.5
Hauling	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

3.7. Building Construction (2030) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	5.99	9.20	0.02	0.19	—	0.19	0.17	—	0.17	—	1,712	1,712	0.07	0.01	—	1,718

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.09	1.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.30	2.05	1.18	29.0	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,690	6,690	0.09	0.04	16.9	6,722
Vendor	0.19	0.08	3.88	1.47	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,334	3,334	0.10	0.52	5.56	3,497
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.12	1.86	1.67	21.5	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,971	5,971	0.11	0.26	0.44	6,052
Vendor	0.18	0.07	4.16	1.51	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,337	3,337	0.10	0.52	0.14	3,495
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.50	1.32	1.01	15.8	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,373	4,373	0.07	0.18	5.22	4,433
Vendor	0.13	0.06	2.90	1.06	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,382	2,382	0.07	0.37	1.71	2,497
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.18	2.88	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	724	724	0.01	0.03	0.86	734
Vendor	0.02	0.01	0.53	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	394	394	0.01	0.06	0.28	413
Hauling	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

3.8. Building Construction (2030) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	5.99	9.20	0.02	0.19	—	0.19	0.17	—	0.17	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.09	1.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	283	283	0.01	< 0.005	—	284

Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.30	2.05	1.18	29.0	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,690	6,690	0.09	0.04	16.9	6,722
Vendor	0.19	0.08	3.88	1.47	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,334	3,334	0.10	0.52	5.56	3,497
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.12	1.86	1.67	21.5	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,971	5,971	0.11	0.26	0.44	6,052
Vendor	0.18	0.07	4.16	1.51	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,337	3,337	0.10	0.52	0.14	3,495
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.50	1.32	1.01	15.8	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,373	4,373	0.07	0.18	5.22	4,433
Vendor	0.13	0.06	2.90	1.06	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,382	2,382	0.07	0.37	1.71	2,497
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.18	2.88	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	724	724	0.01	0.03	0.86	734
Vendor	0.02	0.01	0.53	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	394	394	0.01	0.06	0.28	413
Hauling	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

3.9. Building Construction (2031) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	5.80	9.18	0.02	0.17	—	0.17	0.16	—	0.16	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.06	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	2.20	1.96	1.16	27.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,584	6,584	0.09	0.04	15.1	6,614
Vendor	0.19	0.08	3.73	1.42	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,229	3,229	0.10	0.49	4.77	3,384
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.85	1.81	1.44	20.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,877	5,877	0.11	0.25	0.39	5,954
Vendor	0.18	0.07	4.00	1.46	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,232	3,232	0.10	0.49	0.12	3,382
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.31	1.28	1.00	14.9	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,305	4,305	0.07	0.03	4.64	4,320
Vendor	0.13	0.06	2.79	1.02	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,308	2,308	0.07	0.35	1.47	2,416
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.18	2.71	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	713	713	0.01	0.01	0.77	715
Vendor	0.02	0.01	0.51	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	382	382	0.01	0.06	0.24	400
Hauling	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

3.10. Building Construction (2031) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405

Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	5.80	9.18	0.02	0.17	—	0.17	0.16	—	0.16	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.06	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	1.96	1.16	27.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,584	6,584	0.09	0.04	15.1	6,614
Vendor	0.19	0.08	3.73	1.42	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,229	3,229	0.10	0.49	4.77	3,384
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.85	1.81	1.44	20.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,877	5,877	0.11	0.25	0.39	5,954
Vendor	0.18	0.07	4.00	1.46	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,232	3,232	0.10	0.49	0.12	3,382
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.31	1.28	1.00	14.9	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,305	4,305	0.07	0.03	4.64	4,320
Vendor	0.13	0.06	2.79	1.02	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,308	2,308	0.07	0.35	1.47	2,416
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.18	2.71	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	713	713	0.01	0.01	0.77	715
Vendor	0.02	0.01	0.51	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	382	382	0.01	0.06	0.24	400
Hauling	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

3.11. Building Construction (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	5.64	9.16	0.02	0.16	—	0.16	0.15	—	0.15	—	1,717	1,717	0.07	0.01	—	1,723
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.03	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	284	284	0.01	< 0.005	—	285
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.91	1.88	1.15	26.1	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,487	6,487	0.07	0.04	13.3	6,515
Vendor	0.19	0.08	3.60	1.39	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,127	3,127	0.08	0.47	4.10	3,272
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.76	1.72	1.42	19.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,791	5,791	0.10	0.25	0.34	5,867
Vendor	0.18	0.07	3.85	1.42	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,130	3,130	0.08	0.47	0.11	3,271
Hauling	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.25	1.22	0.84	14.1	0.00	0.00	4.64	4.64	0.00	1.09	1.09	—	4,253	4,253	0.06	0.03	4.10	4,268
Vendor	0.13	0.06	2.69	1.00	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,240	2,240	0.05	0.34	1.26	2,343
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.22	0.15	2.58	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	704	704	0.01	0.01	0.68	707
Vendor	0.02	0.01	0.49	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	371	371	0.01	0.06	0.21	388
Hauling	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

3.12. Building Construction (2032) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	5.64	9.16	0.02	0.16	—	0.16	0.15	—	0.15	—	1,717	1,717	0.07	0.01	—	1,723
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.03	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	284	284	0.01	< 0.005	—	285
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.91	1.88	1.15	26.1	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,487	6,487	0.07	0.04	13.3	6,515
Vendor	0.19	0.08	3.60	1.39	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,127	3,127	0.08	0.47	4.10	3,272
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.76	1.72	1.42	19.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,791	5,791	0.10	0.25	0.34	5,867
Vendor	0.18	0.07	3.85	1.42	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,130	3,130	0.08	0.47	0.11	3,271
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.25	1.22	0.84	14.1	0.00	0.00	4.64	4.64	0.00	1.09	1.09	—	4,253	4,253	0.06	0.03	4.10	4,268
Vendor	0.13	0.06	2.69	1.00	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,240	2,240	0.05	0.34	1.26	2,343
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.23	0.22	0.15	2.58	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	704	704	0.01	0.01	0.68	707
Vendor	0.02	0.01	0.49	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	371	371	0.01	0.06	0.21	388
Hauling	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

3.13. Building Construction (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.63	5.48	9.13	0.02	0.15	—	0.15	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	1.00	1.67	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.86	1.82	0.93	24.9	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,399	6,399	0.07	0.04	11.6	6,425
Vendor	0.16	0.08	3.47	1.33	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,027	3,027	0.08	0.47	3.45	3,172
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.69	1.20	18.5	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,712	5,712	0.10	0.04	0.30	5,727
Vendor	0.15	0.07	3.73	1.37	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,030	3,030	0.07	0.47	0.09	3,172
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.23	1.20	0.83	13.5	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,184	4,184	0.06	0.03	3.59	4,198
Vendor	0.11	0.06	2.60	0.96	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,163	2,163	0.05	0.33	1.07	2,265
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	0.15	2.47	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	693	693	0.01	0.01	0.59	695
Vendor	0.02	0.01	0.47	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	358	358	0.01	0.06	0.18	375
Hauling	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

3.14. Building Construction (2033) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.63	5.48	9.13	0.02	0.15	—	0.15	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	1.00	1.67	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.86	1.82	0.93	24.9	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,399	6,399	0.07	0.04	11.6	6,425
Vendor	0.16	0.08	3.47	1.33	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,027	3,027	0.08	0.47	3.45	3,172
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.69	1.20	18.5	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,712	5,712	0.10	0.04	0.30	5,727
Vendor	0.15	0.07	3.73	1.37	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,030	3,030	0.07	0.47	0.09	3,172
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.23	1.20	0.83	13.5	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,184	4,184	0.06	0.03	3.59	4,198
Vendor	0.11	0.06	2.60	0.96	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,163	2,163	0.05	0.33	1.07	2,265
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	0.15	2.47	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	693	693	0.01	0.01	0.59	695
Vendor	0.02	0.01	0.47	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	358	358	0.01	0.06	0.18	375
Hauling	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

3.15. Building Construction (2034) - Unmitigated

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

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

Off-Road	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	5.37	9.12	0.02	0.14	—	0.14	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.98	1.66	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.75	1.72	0.91	23.7	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,318	6,318	0.07	0.04	10.1	6,343
Vendor	0.16	0.08	3.35	1.30	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,931	2,931	0.07	0.44	2.91	3,068
Hauling	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.65	1.61	1.19	17.6	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,639	5,639	0.10	0.04	0.26	5,655
Vendor	0.15	0.07	3.61	1.34	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,934	2,934	0.07	0.44	0.08	3,068
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.17	1.15	0.82	12.9	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,131	4,131	0.06	0.03	3.13	4,145
Vendor	0.11	0.06	2.51	0.94	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,095	2,095	0.05	0.32	0.90	2,191
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.21	0.15	2.36	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	684	684	0.01	0.01	0.52	686
Vendor	0.02	0.01	0.46	0.17	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	347	347	0.01	0.05	0.15	363
Hauling	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

3.16. Building Construction (2034) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.74	0.62	5.37	9.12	0.02	0.14	—	0.14	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.13	0.11	0.98	1.66	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.75	1.72	0.91	23.7	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,318	6,318	0.07	0.04	10.1	6,343
Vendor	0.16	0.08	3.35	1.30	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,931	2,931	0.07	0.44	2.91	3,068
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.65	1.61	1.19	17.6	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,639	5,639	0.10	0.04	0.26	5,655
Vendor	0.15	0.07	3.61	1.34	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,934	2,934	0.07	0.44	0.08	3,068
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.17	1.15	0.82	12.9	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,131	4,131	0.06	0.03	3.13	4,145
Vendor	0.11	0.06	2.51	0.94	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,095	2,095	0.05	0.32	0.90	2,191
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.21	0.15	2.36	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	684	684	0.01	0.01	0.52	686
Vendor	0.02	0.01	0.46	0.17	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	347	347	0.01	0.05	0.15	363
Hauling	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

3.17. Building Construction (2035) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.21	0.18	1.55	2.68	< 0.005	0.04	—	0.04	0.03	—	0.03	—	507	507	0.02	< 0.005	—	508
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.49	< 0.005	0.01	—	0.01	0.01	—	0.01	—	83.9	83.9	< 0.005	< 0.005	—	84.2
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.71	0.91	22.8	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,245	6,245	0.06	0.04	8.77	6,268
Vendor	0.16	0.08	3.25	1.28	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,840	2,840	0.07	0.44	2.42	2,976
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.59	1.18	16.8	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,574	5,574	0.09	0.04	0.23	5,589
Vendor	0.15	0.07	3.49	1.31	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,843	2,843	0.07	0.44	0.06	2,976
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.33	0.20	3.65	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,208	1,208	0.02	0.01	0.80	1,212
Vendor	0.03	0.02	0.72	0.27	0.01	0.01	0.21	0.21	0.01	0.06	0.06	—	600	600	0.02	0.09	0.22	629
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	200	200	< 0.005	< 0.005	0.13	201
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	99.4	99.4	< 0.005	0.02	0.04	104

Hauling	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

3.18. Building Construction (2035) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.55	2.68	< 0.005	0.04	—	0.04	0.03	—	0.03	—	507	507	0.02	< 0.005	—	508
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.04	0.03	0.28	0.49	< 0.005	0.01	—	0.01	0.01	—	0.01	—	83.9	83.9	< 0.005	< 0.005	—	84.2
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.71	0.91	22.8	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,245	6,245	0.06	0.04	8.77	6,268
Vendor	0.16	0.08	3.25	1.28	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,840	2,840	0.07	0.44	2.42	2,976
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.59	1.18	16.8	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,574	5,574	0.09	0.04	0.23	5,589
Vendor	0.15	0.07	3.49	1.31	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,843	2,843	0.07	0.44	0.06	2,976
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.33	0.20	3.65	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,208	1,208	0.02	0.01	0.80	1,212
Vendor	0.03	0.02	0.72	0.27	0.01	0.01	0.21	0.21	0.01	0.06	0.06	—	600	600	0.02	0.09	0.22	629
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	200	200	< 0.005	< 0.005	0.13	201
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	99.4	99.4	< 0.005	0.02	0.04	104
Hauling	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

3.19. Paving (2027) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.31	0.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.0	68.0	< 0.005	< 0.005	—	68.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.3	11.3	< 0.005	< 0.005	—	11.3
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.60	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	146	146	< 0.005	0.01	0.01	148
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	0.01	6.82
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13
Vendor	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
Hauling	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

3.20. Paving (2027) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.31	0.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.0	68.0	< 0.005	< 0.005	—	68.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.3	11.3	< 0.005	< 0.005	—	11.3
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.60	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	146	146	< 0.005	0.01	0.01	148
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	0.01	6.82
Vendor	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
Hauling	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13
Vendor	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
Hauling	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

3.21. Paving (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.58	0.49	4.75	7.10	0.01	0.18	—	0.18	0.17	—	0.17	—	1,082	1,082	0.04	0.01	—	1,086
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.87	1.30	< 0.005	0.03	—	0.03	0.03	—	0.03	—	179	179	0.01	< 0.005	—	180
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.75	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	160	160	< 0.005	0.01	0.49	162
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.56	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	143	143	< 0.005	0.01	0.01	145
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.41	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.15	106
Vendor	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
Hauling	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.02	17.6
Vendor	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
Hauling	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

3.22. Paving (2028) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.58	0.49	4.75	7.10	0.01	0.18	—	0.18	0.17	—	0.17	—	1,082	1,082	0.04	0.01	—	1,086
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.87	1.30	< 0.005	0.03	—	0.03	0.03	—	0.03	—	179	179	0.01	< 0.005	—	180
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.75	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	160	160	< 0.005	0.01	0.49	162
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.56	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	143	143	< 0.005	0.01	0.01	145
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.41	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.15	106
Vendor	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
Hauling	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.02	17.6
Vendor	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
Hauling	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

3.23. Paving (2029) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.44	0.37	3.58	5.49	0.01	0.13	—	0.13	0.12	—	0.12	—	837	837	0.03	0.01	—	839
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.65	1.00	< 0.005	0.02	—	0.02	0.02	—	0.02	—	139	139	0.01	< 0.005	—	139
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.71	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	157	157	< 0.005	< 0.005	0.44	158
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.53	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	140	140	< 0.005	0.01	0.01	142
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.30	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	79.8	79.8	< 0.005	< 0.005	0.10	80.8
Vendor	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
Hauling	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.02	13.4
Vendor	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
Hauling	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

3.24. Paving (2029) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.44	0.37	3.58	5.49	0.01	0.13	—	0.13	0.12	—	0.12	—	837	837	0.03	0.01	—	839
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.65	1.00	< 0.005	0.02	—	0.02	0.02	—	0.02	—	139	139	0.01	< 0.005	—	139
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.71	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	157	157	< 0.005	< 0.005	0.44	158
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.53	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	140	140	< 0.005	0.01	0.01	142
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.30	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	79.8	79.8	< 0.005	< 0.005	0.10	80.8
Vendor	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
Hauling	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.02	13.4
Vendor	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
Hauling	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

3.25. Architectural Coating (2029) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.11	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Architectural Coatings	1.41	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.94	2.94	< 0.005	< 0.005	—	2.95
Architectural Coatings	0.26	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.38	4.58	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,214	1,214	0.03	0.05	0.10	1,231
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.62	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	166	166	< 0.005	0.01	0.22	168
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.4	27.4	< 0.005	< 0.005	0.04	27.8
Vendor	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
Hauling	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

3.26. Architectural Coating (2029) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.11	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Architectural Coatings	1.41	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.94	2.94	< 0.005	< 0.005	—	2.95
Architectural Coatings	0.26	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.38	4.58	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,214	1,214	0.03	0.05	0.10	1,231
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.62	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	166	166	< 0.005	0.01	0.22	168
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.4	27.4	< 0.005	< 0.005	0.04	27.8
Vendor	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
Hauling	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

3.27. Architectural Coating (2030) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.56	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.41	0.24	5.80	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,338	1,338	0.02	0.01	3.39	1,344
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.33	4.31	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,194	1,194	0.02	0.05	0.09	1,210
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.26	0.20	3.16	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	875	875	0.01	0.04	1.04	887
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.58	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	145	145	< 0.005	0.01	0.17	147

Vendor	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
Hauling	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

3.28. Architectural Coating (2030) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.09	0.07	0.56	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.41	0.24	5.80	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,338	1,338	0.02	0.01	3.39	1,344
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.33	4.31	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,194	1,194	0.02	0.05	0.09	1,210
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.26	0.20	3.16	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	875	875	0.01	0.04	1.04	887

Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.58	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	145	145	< 0.005	0.01	0.17	147
Vendor	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
Hauling	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

3.29. Architectural Coating (2031) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134

Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.23	5.47	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,317	1,317	0.02	0.01	3.01	1,323
Vendor	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
Hauling	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.36	0.29	4.07	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,175	1,175	0.02	0.05	0.08	1,191
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.20	2.97	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	861	861	0.01	0.01	0.93	864
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.54	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	143	143	< 0.005	< 0.005	0.15	143
Vendor	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
Hauling	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

3.30. Architectural Coating (2031) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.23	5.47	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,317	1,317	0.02	0.01	3.01	1,323
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.36	0.29	4.07	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,175	1,175	0.02	0.05	0.08	1,191
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.20	2.97	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	861	861	0.01	0.01	0.93	864
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.54	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	143	143	< 0.005	< 0.005	0.15	143
Vendor	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
Hauling	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

3.31. Architectural Coating (2032) - Unmitigated

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

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

Off-Road	0.11	0.09	0.77	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.77	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.6	95.6	< 0.005	< 0.005	—	95.9
Architectural Coatings	7.60	7.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9

Architect Coatings	1.39	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.38	0.23	5.23	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,297	1,297	0.01	0.01	2.65	1,303
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.28	3.88	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,158	1,158	0.02	0.05	0.07	1,173
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.83	0.00	0.00	0.93	0.93	0.00	0.22	0.22	—	851	851	0.01	0.01	0.82	854
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.52	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	141	141	< 0.005	< 0.005	0.14	141
Vendor	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
Hauling	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

3.32. Architectural Coating (2032) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.77	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.77	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.6	95.6	< 0.005	< 0.005	—	95.9
Architectural Coatings	7.60	7.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9
Architectural Coatings	1.39	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.38	0.23	5.23	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,297	1,297	0.01	0.01	2.65	1,303
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.28	3.88	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,158	1,158	0.02	0.05	0.07	1,173
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.83	0.00	0.00	0.93	0.93	0.00	0.22	0.22	—	851	851	0.01	0.01	0.82	854
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.52	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	141	141	< 0.005	< 0.005	0.14	141
Vendor	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
Hauling	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

3.33. Architectural Coating (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7

Architect Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.36	0.19	4.99	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,280	1,280	0.01	0.01	2.33	1,285
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.24	3.70	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,142	1,142	0.02	0.01	0.06	1,145
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.70	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	837	837	0.01	0.01	0.72	840
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.04	0.03	0.49	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	139	139	< 0.005	< 0.005	0.12	139
Vendor	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
Hauling	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

3.34. Architectural Coating (2033) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.36	0.19	4.99	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,280	1,280	0.01	0.01	2.33	1,285
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.24	3.70	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,142	1,142	0.02	0.01	0.06	1,145
Vendor	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

Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.70	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	837	837	0.01	0.01	0.72	840
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.49	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	139	139	< 0.005	< 0.005	0.12	139
Vendor	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
Hauling	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

3.35. Architectural Coating (2034) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.79	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.18	4.75	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,264	1,264	0.01	0.01	2.03	1,269

Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.24	3.52	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,128	1,128	0.02	0.01	0.05	1,131
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.16	2.58	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	826	826	0.01	0.01	0.63	829
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.47	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	137	137	< 0.005	< 0.005	0.10	137
Vendor	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
Hauling	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

3.36. Architectural Coating (2034) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134

Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.79	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8

Architectural Coating	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.18	4.75	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,264	1,264	0.01	0.01	2.03	1,269
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.24	3.52	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,128	1,128	0.02	0.01	0.05	1,131
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.16	2.58	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	826	826	0.01	0.01	0.63	829
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.47	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	137	137	< 0.005	< 0.005	0.10	137
Vendor	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
Hauling	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

3.37. Architectural Coating (2035) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.9	31.9	< 0.005	< 0.005	—	32.0
Architectural Coatings	2.53	2.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.28	5.28	< 0.005	< 0.005	—	5.30
Architectural Coatings	0.46	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.18	4.55	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,249	1,249	0.01	0.01	1.75	1,254
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.24	3.35	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,115	1,115	0.02	0.01	0.05	1,118
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.82	0.00	0.00	0.31	0.31	0.00	0.07	0.07	—	273	273	< 0.005	< 0.005	0.18	274
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	45.2	45.2	< 0.005	< 0.005	0.03	45.3

Vendor	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
Hauling	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

3.38. Architectural Coating (2035) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.03	0.02	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.9	31.9	< 0.005	< 0.005	—	32.0
Architectural Coatings	2.53	2.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.28	5.28	< 0.005	< 0.005	—	5.30
Architectural Coatings	0.46	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.18	4.55	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,249	1,249	0.01	0.01	1.75	1,254
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.24	3.35	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,115	1,115	0.02	0.01	0.05	1,118
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.82	0.00	0.00	0.31	0.31	0.00	0.07	0.07	—	273	273	< 0.005	< 0.005	0.18	274

Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	45.2	45.2	< 0.005	< 0.005	0.03	45.3
Vendor	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
Hauling	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	20.5	19.1	13.3	142	0.35	0.21	32.8	33.0	0.20	8.34	8.53	—	35,480	35,480	1.43	1.65	45.4	36,054
Apartments Low Rise	5.93	5.52	3.85	41.0	0.10	0.06	9.49	9.55	0.06	2.41	2.47	—	10,265	10,265	0.41	0.48	13.1	10,431
Apartments Mid Rise	3.68	3.42	2.39	25.4	0.06	0.04	5.88	5.92	0.04	1.50	1.53	—	6,363	6,363	0.26	0.30	8.14	6,466
Day-Care Center	0.94	0.87	0.63	6.83	0.02	0.01	1.61	1.62	0.01	0.41	0.42	—	1,736	1,736	0.07	0.08	2.23	1,764
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	0.00	0.00	0.00

Fast Food Restaurant w/o Drive Thru	0.85	0.79	0.57	6.19	0.02	0.01	1.46	1.47	0.01	0.37	0.38	—	1,574	1,574	0.06	0.07	2.02	1,599
City Park	2.07	1.91	1.39	15.0	0.04	0.02	3.54	3.57	0.02	0.90	0.92	—	3,823	3,823	0.15	0.17	4.90	3,884
Total	34.0	31.6	22.2	236	0.58	0.35	54.8	55.1	0.33	13.9	14.3	—	59,241	59,241	2.38	2.75	75.8	60,197
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	19.0	17.5	15.5	125	0.32	0.21	32.8	33.0	0.20	8.34	8.53	—	32,694	32,694	1.62	1.79	1.18	33,270
Apartments Low Rise	5.50	5.07	4.50	36.3	0.09	0.06	9.49	9.55	0.06	2.41	2.47	—	9,459	9,459	0.47	0.52	0.34	9,625
Apartments Mid Rise	3.41	3.14	2.79	22.5	0.06	0.04	5.88	5.92	0.04	1.50	1.53	—	5,863	5,863	0.29	0.32	0.21	5,966
Day-Care Center	0.87	0.80	0.74	5.98	0.02	0.01	1.61	1.62	0.01	0.41	0.42	—	1,599	1,599	0.08	0.09	0.06	1,627
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.79	0.72	0.67	5.42	0.01	0.01	1.46	1.47	0.01	0.37	0.38	—	1,450	1,450	0.07	0.08	0.05	1,475
City Park	1.92	1.76	1.63	13.2	0.03	0.02	3.54	3.57	0.02	0.90	0.92	—	3,522	3,522	0.17	0.19	0.13	3,583
Total	31.5	29.0	25.9	209	0.53	0.35	54.8	55.1	0.33	13.9	14.3	—	54,588	54,588	2.70	2.98	1.97	55,546
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.46	3.20	2.65	22.3	0.06	0.04	5.92	5.95	0.04	1.50	1.54	—	5,509	5,509	0.25	0.28	3.25	5,604

Apartme Low Rise	1.00	0.93	0.77	6.46	0.02	0.01	1.71	1.72	0.01	0.44	0.45	—	1,594	1,594	0.07	0.08	0.94	1,621
Apartments Mid Rise	0.62	0.57	0.48	4.01	0.01	0.01	1.06	1.07	0.01	0.27	0.28	—	988	988	0.05	0.05	0.58	1,005
Day-Care Center	0.16	0.15	0.13	1.07	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	270	270	0.01	0.01	0.16	274
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.14	0.13	0.11	0.97	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07	—	244	244	0.01	0.01	0.14	248
City Park	0.35	0.32	0.28	2.36	0.01	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	594	594	0.03	0.03	0.35	604
Total	5.74	5.30	4.41	37.2	0.10	0.06	9.88	9.94	0.06	2.51	2.57	—	9,199	9,199	0.42	0.47	5.42	9,356

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	20.5	19.1	13.3	142	0.35	0.21	32.8	33.0	0.20	8.34	8.53	—	35,480	35,480	1.43	1.65	45.4	36,054
Apartments Low Rise	5.93	5.52	3.85	41.0	0.10	0.06	9.49	9.55	0.06	2.41	2.47	—	10,265	10,265	0.41	0.48	13.1	10,431
Apartments Mid Rise	3.68	3.42	2.39	25.4	0.06	0.04	5.88	5.92	0.04	1.50	1.53	—	6,363	6,363	0.26	0.30	8.14	6,466

Day-Care Center	0.94	0.87	0.63	6.83	0.02	0.01	1.61	1.62	0.01	0.41	0.42	—	1,736	1,736	0.07	0.08	2.23	1,764
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.85	0.79	0.57	6.19	0.02	0.01	1.46	1.47	0.01	0.37	0.38	—	1,574	1,574	0.06	0.07	2.02	1,599
City Park	2.07	1.91	1.39	15.0	0.04	0.02	3.54	3.57	0.02	0.90	0.92	—	3,823	3,823	0.15	0.17	4.90	3,884
Total	34.0	31.6	22.2	236	0.58	0.35	54.8	55.1	0.33	13.9	14.3	—	59,241	59,241	2.38	2.75	75.8	60,197
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	19.0	17.5	15.5	125	0.32	0.21	32.8	33.0	0.20	8.34	8.53	—	32,694	32,694	1.62	1.79	1.18	33,270
Apartments Low Rise	5.50	5.07	4.50	36.3	0.09	0.06	9.49	9.55	0.06	2.41	2.47	—	9,459	9,459	0.47	0.52	0.34	9,625
Apartments Mid Rise	3.41	3.14	2.79	22.5	0.06	0.04	5.88	5.92	0.04	1.50	1.53	—	5,863	5,863	0.29	0.32	0.21	5,966
Day-Care Center	0.87	0.80	0.74	5.98	0.02	0.01	1.61	1.62	0.01	0.41	0.42	—	1,599	1,599	0.08	0.09	0.06	1,627
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.79	0.72	0.67	5.42	0.01	0.01	1.46	1.47	0.01	0.37	0.38	—	1,450	1,450	0.07	0.08	0.05	1,475
City Park	1.92	1.76	1.63	13.2	0.03	0.02	3.54	3.57	0.02	0.90	0.92	—	3,522	3,522	0.17	0.19	0.13	3,583
Total	31.5	29.0	25.9	209	0.53	0.35	54.8	55.1	0.33	13.9	14.3	—	54,588	54,588	2.70	2.98	1.97	55,546

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.46	3.20	2.65	22.3	0.06	0.04	5.92	5.95	0.04	1.50	1.54	—	5,509	5,509	0.25	0.28	3.25	5,604
Apartments Low Rise	1.00	0.93	0.77	6.46	0.02	0.01	1.71	1.72	0.01	0.44	0.45	—	1,594	1,594	0.07	0.08	0.94	1,621
Apartments Mid Rise	0.62	0.57	0.48	4.01	0.01	0.01	1.06	1.07	0.01	0.27	0.28	—	988	988	0.05	0.05	0.58	1,005
Day-Care Center	0.16	0.15	0.13	1.07	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	270	270	0.01	0.01	0.16	274
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.14	0.13	0.11	0.97	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07	—	244	244	0.01	0.01	0.14	248
City Park	0.35	0.32	0.28	2.36	0.01	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	594	594	0.03	0.03	0.35	604
Total	5.74	5.30	4.41	37.2	0.10	0.06	9.88	9.94	0.06	2.51	2.57	—	9,199	9,199	0.42	0.47	5.42	9,356

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

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

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	3,392	3,392	0.55	0.07	—	3,426
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	715	715	0.12	0.01	—	722
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	631	631	0.10	0.01	—	637
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	16.1	16.1	< 0.005	< 0.005	—	16.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	0.01	< 0.005	—	49.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.02	< 0.005	—	113
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,916	4,916	0.80	0.10	—	4,965
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	3,392	3,392	0.55	0.07	—	3,426
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	715	715	0.12	0.01	—	722
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	631	631	0.10	0.01	—	637
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	16.1	16.1	< 0.005	< 0.005	—	16.3

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	0.01	< 0.005	—	49.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.02	< 0.005	—	113
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,916	4,916	0.80	0.10	—	4,965
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	562	562	0.09	0.01	—	567
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	118	118	0.02	< 0.005	—	120
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	105	105	0.02	< 0.005	—	106
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	2.67	2.67	< 0.005	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.09	8.09	< 0.005	< 0.005	—	8.17
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	18.6	18.6	< 0.005	< 0.005	—	18.8
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	814	814	0.13	0.02	—	822

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,364	2,364	0.38	0.05	—	2,387
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	16.1	16.1	< 0.005	< 0.005	—	16.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	0.01	< 0.005	—	49.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.02	< 0.005	—	113
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,541	2,541	0.41	0.05	—	2,566
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,364	2,364	0.38	0.05	—	2,387
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	16.1	16.1	< 0.005	< 0.005	—	16.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	0.01	< 0.005	—	49.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.02	< 0.005	—	113
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,541	2,541	0.41	0.05	—	2,566
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	391	391	0.06	0.01	—	395
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	2.67	2.67	< 0.005	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.09	8.09	< 0.005	< 0.005	—	8.17
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	18.6	18.6	< 0.005	< 0.005	—	18.8
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	421	421	0.07	0.01	—	425

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.2	87.2	0.01	< 0.005	—	87.5
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
Fast Food Restaurant w/o Drive Thru	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196
City Park	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	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	282	282	0.03	< 0.005	—	283
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.2	87.2	0.01	< 0.005	—	87.5
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
Fast Food Restaurant w/o Drive Thru	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196
City Park	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	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	282	282	0.03	< 0.005	—	283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5
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

Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.3	32.3	< 0.005	< 0.005	—	32.4
City Park	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	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.8	46.8	< 0.005	< 0.005	—	46.9

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.2	87.2	0.01	< 0.005	—	87.5
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
Fast Food Restaurant w/o Drive Thru	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196

City Park	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	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	282	282	0.03	< 0.005	—	283
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.2	87.2	0.01	< 0.005	—	87.5
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
Fast Food Restaurant w/o Drive Thru	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196
City Park	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	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	282	282	0.03	< 0.005	—	283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	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
Apartments Low Rise	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

Apartments Mid Rise	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
Day-Care Center	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5
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
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.3	32.3	< 0.005	< 0.005	—	32.4
City Park	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	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.8	46.8	< 0.005	< 0.005	—	46.9

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	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
Consumer Products	43.6	43.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	4.19	4.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	6.56	6.21	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	—	192	192	0.01	< 0.005	—	192
Total	54.3	54.0	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	192	192	0.01	< 0.005	—	192
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	43.6	43.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	4.19	4.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	47.7	47.7	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	7.95	7.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.76	0.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.59	0.56	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.6	15.6	< 0.005	< 0.005	—	15.7
Total	9.31	9.27	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7

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	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
Consumer Products	43.6	43.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	4.19	4.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.56	6.21	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	—	192	192	0.01	< 0.005	—	192
Total	54.3	54.0	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	192	192	0.01	< 0.005	—	192
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	43.6	43.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	4.19	4.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	47.7	47.7	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	7.95	7.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	0.76	0.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.59	0.56	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.6	15.6	< 0.005	< 0.005	—	15.7
Total	9.31	9.27	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	47.6	94.2	142	4.90	0.12	—	299
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.3	17.6	36.8	1.98	0.05	—	100
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.7	15.3	32.0	1.72	0.04	—	87.1
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.52	0.47	0.99	0.05	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	2.66	5.56	0.30	0.01	—	15.2

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	79.3	79.3	0.01	< 0.005	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	47.6	94.2	142	4.90	0.12	—	299
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.3	17.6	36.8	1.98	0.05	—	100
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.7	15.3	32.0	1.72	0.04	—	87.1
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.52	0.47	0.99	0.05	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	2.66	5.56	0.30	0.01	—	15.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	79.3	79.3	0.01	< 0.005	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	7.88	15.6	23.5	0.81	0.02	—	49.6
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	3.19	2.91	6.10	0.33	0.01	—	16.6

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.77	2.53	5.29	0.28	0.01	—	14.4
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.09	0.08	0.16	0.01	< 0.005	—	0.45
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.48	0.44	0.92	0.05	< 0.005	—	2.51
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	13.1	13.1	< 0.005	< 0.005	—	13.3
Total	—	—	—	—	—	—	—	—	—	—	—	14.4	34.7	49.1	1.48	0.04	—	96.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	47.6	94.2	142	4.90	0.12	—	299
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.3	17.6	36.8	1.98	0.05	—	100
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.7	15.3	32.0	1.72	0.04	—	87.1
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.52	0.47	0.99	0.05	< 0.005	—	2.70

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	2.66	5.56	0.30	0.01	—	15.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	79.3	79.3	0.01	< 0.005	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	47.6	94.2	142	4.90	0.12	—	299
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.3	17.6	36.8	1.98	0.05	—	100
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.7	15.3	32.0	1.72	0.04	—	87.1
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.52	0.47	0.99	0.05	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	2.66	5.56	0.30	0.01	—	15.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	79.3	79.3	0.01	< 0.005	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	7.88	15.6	23.5	0.81	0.02	—	49.6
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	3.19	2.91	6.10	0.33	0.01	—	16.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.77	2.53	5.29	0.28	0.01	—	14.4
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.09	0.08	0.16	0.01	< 0.005	—	0.45
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.48	0.44	0.92	0.05	< 0.005	—	2.51
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	13.1	13.1	< 0.005	< 0.005	—	13.3
Total	—	—	—	—	—	—	—	—	—	—	—	14.4	34.7	49.1	1.48	0.04	—	96.8

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	251	0.00	251	25.1	0.00	—	879

Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	115	0.00	115	11.5	0.00	—	402
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.95	0.00	—	348
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	4.41	0.00	4.41	0.44	0.00	—	15.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
City Park	—	—	—	—	—	—	—	—	—	—	—	3.23	0.00	3.23	0.32	0.00	—	11.3
Total	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	251	0.00	251	25.1	0.00	—	879
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	115	0.00	115	11.5	0.00	—	402
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.95	0.00	—	348
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	4.41	0.00	4.41	0.44	0.00	—	15.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
City Park	—	—	—	—	—	—	—	—	—	—	—	3.23	0.00	3.23	0.32	0.00	—	11.3
Total	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	41.6	0.00	41.6	4.16	0.00	—	146
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.0	0.00	19.0	1.90	0.00	—	66.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.5	0.00	16.5	1.65	0.00	—	57.7
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.56
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.14	0.00	5.14	0.51	0.00	—	18.0
City Park	—	—	—	—	—	—	—	—	—	—	—	0.53	0.00	0.53	0.05	0.00	—	1.87
Total	—	—	—	—	—	—	—	—	—	—	—	83.5	0.00	83.5	8.35	0.00	—	292

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	251	0.00	251	25.1	0.00	—	879
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	115	0.00	115	11.5	0.00	—	402
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.95	0.00	—	348
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	4.41	0.00	4.41	0.44	0.00	—	15.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
City Park	—	—	—	—	—	—	—	—	—	—	—	3.23	0.00	3.23	0.32	0.00	—	11.3
Total	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	251	0.00	251	25.1	0.00	—	879
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	115	0.00	115	11.5	0.00	—	402
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.95	0.00	—	348

Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	4.41	0.00	4.41	0.44	0.00	—	15.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
City Park	—	—	—	—	—	—	—	—	—	—	—	3.23	0.00	3.23	0.32	0.00	—	11.3
Total	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	41.6	0.00	41.6	4.16	0.00	—	146
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.0	0.00	19.0	1.90	0.00	—	66.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.5	0.00	16.5	1.65	0.00	—	57.7
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.56
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.14	0.00	5.14	0.51	0.00	—	18.0
City Park	—	—	—	—	—	—	—	—	—	—	—	0.53	0.00	0.53	0.05	0.00	—	1.87
Total	—	—	—	—	—	—	—	—	—	—	—	83.5	0.00	83.5	8.35	0.00	—	292

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.94	9.94
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.82	7.82
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.94	9.94

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.82	7.82
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.65	1.65
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.29	1.29
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.59	3.59

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.94	9.94
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.82	7.82
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.94	9.94
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19

Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.82	7.82
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.65	1.65
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.29	1.29
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.59	3.59

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)

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—	190
Total	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—	190

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-23.5	-23.5	—	—	—	-23.5
Red maple(Acer rubrum)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-36.1	-36.1	—	—	—	-36.1
Freeman maple(Acer x freemanii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-11.8	-11.8	—	—	—	-11.8
Strawberry tree(Arbutus unedo)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-15.1	-15.1	—	—	—	-15.1

European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.44	-6.44	—	—	—	-6.44
White ash(Fraxinus americana)	—	-0.03	> -0.005	—	-0.01	-0.04	-0.04	-0.08	-0.01	-0.01	-0.02	—	-51.6	-51.6	—	—	—	-51.6
Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-6.39	-6.39	—	—	—	-6.39
Tulip tree(Liriodendron tulipifera)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-14.0	-14.0	—	—	—	-14.0
Southern magnolia(Magnolia grandiflora)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-30.4	-30.4	—	—	—	-30.4
Pinyon pine(Pinus edulis)	—	-0.01	> -0.005	—	-0.01	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-22.0	-22.0	—	—	—	-22.0
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.99	-6.99	—	—	—	-6.99
Scarlet oak(Quercus coccinea)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-10.2	-10.2	—	—	—	-10.2
Holly oak(Quercus ilex)	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-22.8	-22.8	—	—	—	-22.8
Oak spp(Quercus)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-7.64	-7.64	—	—	—	-7.64
Willow oak(Quercus phellos)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.05	-0.01	-0.01	-0.01	—	-32.4	-32.4	—	—	—	-32.4

Shumard oak(Quercus shumardii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-16.6	-16.6	—	—	—	-16.6
Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.13	-4.13	—	—	—	-4.13
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.85	-4.85	—	—	—	-4.85
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.58	-1.58	—	—	—	-1.58
Littleleaf linden(Tilia cordata)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-11.4	-11.4	—	—	—	-11.4
Chitalpa (x Chitalpa tashkentensis)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-13.8	-13.8	—	—	—	-13.8
Subtotal	—	-0.23	-0.03	—	-0.09	-0.27	-0.27	-0.53	-0.07	-0.07	-0.14	—	-350	-350	—	—	—	-350
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-89.6	-89.6	—	—	—	-89.6
Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-166	-166	—	—	—	-166
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-39.2	-39.2	—	—	—	-39.2

Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-11.9	-11.9	—	—	—	-11.9
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-15.3	-15.3	—	—	—	-15.3
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-126	-126	—	—	—	-126
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-33.5	-33.5	—	—	—	-33.5
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-42.3	-42.3	—	—	—	-42.3
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-69.4	-69.4	—	—	—	-69.4
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-14.2	-14.2	—	—	—	-14.2
London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-15.7	-15.7	—	—	—	-15.7
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-47.4	-47.4	—	—	—	-47.4
Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-52.2	-52.2	—	—	—	-52.2

Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-19.5	-19.5	—	—	—	-19.5
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-134	-134	—	—	—	-134
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-37.2	-37.2	—	—	—	-37.2
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-4.58	-4.58	—	—	—	-4.58
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-6.23	-6.23	—	—	—	-6.23
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-7.81	-7.81	—	—	—	-7.81
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-53.3	-53.3	—	—	—	-53.3
Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-27.9	-27.9	—	—	—	-27.9
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-1,013	-1,013	—	—	—	-1,013
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Red maple(Acer rubrum)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Tulip tree(Liriodendron tulipifera)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

London planetree(Platanus x hybrida)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Littleleaf linden(Tilia cordata)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.21	—	-0.15	-0.03	-0.03	-0.07	-0.01	-0.01	-0.02	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-1,363	-1,363	—	—	—	-1,363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-23.5	-23.5	—	—	—	-23.5
Red maple(Acer rubrum)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-36.1	-36.1	—	—	—	-36.1
Freeman maple(Acer x freemanii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-11.8	-11.8	—	—	—	-11.8
Strawberry tree(Arbutus unedo)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-15.1	-15.1	—	—	—	-15.1
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.44	-6.44	—	—	—	-6.44
White ash(Fraxinus americana)	—	-0.03	> -0.005	—	-0.01	-0.04	-0.04	-0.08	-0.01	-0.01	-0.02	—	-51.6	-51.6	—	—	—	-51.6

Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-6.39	-6.39	—	—	—	-6.39
Tulip tree(Liriodendron tulipifera)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-14.0	-14.0	—	—	—	-14.0
Southern magnolia(Magnolia grandiflora)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-30.4	-30.4	—	—	—	-30.4
Pinyon pine(Pinus edulis)	—	-0.01	> -0.005	—	-0.01	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-22.0	-22.0	—	—	—	-22.0
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.99	-6.99	—	—	—	-6.99
Scarlet oak(Quercus coccinea)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-10.2	-10.2	—	—	—	-10.2
Holly oak(Quercus ilex)	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-22.8	-22.8	—	—	—	-22.8
Oak spp(Quercus)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-7.64	-7.64	—	—	—	-7.64
Willow oak(Quercus phellos)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.05	-0.01	-0.01	-0.01	—	-32.4	-32.4	—	—	—	-32.4
Shumard oak(Quercus shumardii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-16.6	-16.6	—	—	—	-16.6

Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.13	-4.13	—	—	—	-4.13
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.85	-4.85	—	—	—	-4.85
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.58	-1.58	—	—	—	-1.58
Littleleaf linden(Tilia cordata)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-11.4	-11.4	—	—	—	-11.4
Chitalpa (x Chitalpa tashkentensis)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-13.8	-13.8	—	—	—	-13.8
Subtotal	—	-0.23	-0.03	—	-0.09	-0.27	-0.27	-0.53	-0.07	-0.07	-0.14	—	-350	-350	—	—	—	-350
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-89.6	-89.6	—	—	—	-89.6
Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-166	-166	—	—	—	-166
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-39.2	-39.2	—	—	—	-39.2

Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-11.9	-11.9	—	—	—	-11.9
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-15.3	-15.3	—	—	—	-15.3
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-126	-126	—	—	—	-126
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-33.5	-33.5	—	—	—	-33.5
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-42.3	-42.3	—	—	—	-42.3
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-69.4	-69.4	—	—	—	-69.4
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-14.2	-14.2	—	—	—	-14.2
London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-15.7	-15.7	—	—	—	-15.7
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-47.4	-47.4	—	—	—	-47.4

Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-52.2	-52.2	—	—	—	-52.2
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-19.5	-19.5	—	—	—	-19.5
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-134	-134	—	—	—	-134
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-37.2	-37.2	—	—	—	-37.2
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-4.58	-4.58	—	—	—	-4.58
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-6.23	-6.23	—	—	—	-6.23
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-7.81	-7.81	—	—	—	-7.81
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-53.3	-53.3	—	—	—	-53.3
Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-27.9	-27.9	—	—	—	-27.9
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-1,013	-1,013	—	—	—	-1,013
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Norway maple(Acer platanoides)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Tulip tree(Liriodendron tulipifera)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Littleleaf linden(Tilia cordata)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.21	—	-0.15	-0.03	-0.03	-0.07	-0.01	-0.01	-0.02	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-1,363	-1,363	—	—	—	-1,363
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.90	-3.90	—	—	—	-3.90
Red maple(Acer rubrum)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-5.98	-5.98	—	—	—	-5.98
Freeman maple(Acer x freemanii)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.96	-1.96	—	—	—	-1.96
Strawberry tree(Arbutus unedo)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.50	-2.50	—	—	—	-2.50
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.07	-1.07	—	—	—	-1.07
White ash(Fraxinus americana)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-8.54	-8.54	—	—	—	-8.54

Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.06	-1.06	—	—	—	-1.06
Tulip tree(Liriodendron tulipifera)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.32	-2.32	—	—	—	-2.32
Southern magnolia(Magnolia grandiflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.03	-5.03	—	—	—	-5.03
Pinyon pine(Pinus edulis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.64	-3.64	—	—	—	-3.64
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.16	-1.16	—	—	—	-1.16
Scarlet oak(Quercus coccinea)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.69	-1.69	—	—	—	-1.69
Holly oak(Quercus ilex)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.78	-3.78	—	—	—	-3.78
Oak spp(Quercus)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.26	-1.26	—	—	—	-1.26
Willow oak(Quercus phellos)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.37	-5.37	—	—	—	-5.37
Shumard oak(Quercus shumardii)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.74	-2.74	—	—	—	-2.74

Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.68	-0.68	—	—	—	-0.68
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.80	-0.80	—	—	—	-0.80
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.26	-0.26	—	—	—	-0.26
Littleleaf linden(Tilia cordata)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.89	-1.89	—	—	—	-1.89
Chitalpa (x Chitalpa tashkentensis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.28	-2.28	—	—	—	-2.28
Subtotal	—	-0.04	> -0.005	—	-0.02	-0.05	-0.05	-0.10	-0.01	-0.01	-0.03	—	-57.9	-57.9	—	—	—	-57.9
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-14.8	-14.8	—	—	—	-14.8
Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-27.5	-27.5	—	—	—	-27.5
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-6.49	-6.49	—	—	—	-6.49

Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-1.97	-1.97	—	—	—	-1.97
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-2.54	-2.54	—	—	—	-2.54
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-20.8	-20.8	—	—	—	-20.8
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-5.55	-5.55	—	—	—	-5.55
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-7.01	-7.01	—	—	—	-7.01
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-11.5	-11.5	—	—	—	-11.5
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-2.35	-2.35	—	—	—	-2.35
London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-2.59	-2.59	—	—	—	-2.59
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-7.85	-7.85	—	—	—	-7.85

Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-8.64	-8.64	—	—	—	-8.64
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-3.23	-3.23	—	—	—	-3.23
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-22.1	-22.1	—	—	—	-22.1
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-6.16	-6.16	—	—	—	-6.16
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-0.76	-0.76	—	—	—	-0.76
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-1.03	-1.03	—	—	—	-1.03
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-1.29	-1.29	—	—	—	-1.29
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-8.83	-8.83	—	—	—	-8.83
Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-4.62	-4.62	—	—	—	-4.62
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-168	-168	—	—	—	-168
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Norway maple(Acer platanoides)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Tulip tree(Liriodendron tulipifera)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Littleleaf linden(Tilia cordata)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.04	—	-0.03	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.04	-0.04	—	-0.04	-0.05	-0.05	-0.11	-0.01	-0.01	-0.03	—	-226	-226	—	—	—	-226

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—	190
Total	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—	190

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-23.5	-23.5	—	—	—	-23.5
Red maple(Acer rubrum)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-36.1	-36.1	—	—	—	-36.1
Freeman maple(Acer x freemanii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-11.8	-11.8	—	—	—	-11.8

Strawberry tree(Arbunedo)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-15.1	-15.1	—	—	—	-15.1
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.44	-6.44	—	—	—	-6.44
White ash(Fraxinus americana)	—	-0.03	> -0.005	—	-0.01	-0.04	-0.04	-0.08	-0.01	-0.01	-0.02	—	-51.6	-51.6	—	—	—	-51.6
Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-6.39	-6.39	—	—	—	-6.39
Tulip tree(Liriodendron tulipifera)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-14.0	-14.0	—	—	—	-14.0
Southern magnolia(Magnolia grandiflora)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-30.4	-30.4	—	—	—	-30.4
Pinyon pine(Pinus edulis)	—	-0.01	> -0.005	—	-0.01	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-22.0	-22.0	—	—	—	-22.0
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.99	-6.99	—	—	—	-6.99
Scarlet oak(Quercus coccinea)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-10.2	-10.2	—	—	—	-10.2
Holly oak(Quercus ilex)	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-22.8	-22.8	—	—	—	-22.8

Oak spp(Quercus)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-7.64	-7.64	—	—	—	-7.64
Willow oak(Quercus phellos)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.05	-0.01	-0.01	-0.01	—	-32.4	-32.4	—	—	—	-32.4
Shumard oak(Quercus shumardii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-16.6	-16.6	—	—	—	-16.6
Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.13	-4.13	—	—	—	-4.13
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.85	-4.85	—	—	—	-4.85
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.58	-1.58	—	—	—	-1.58
Littleleaf linden(Tilia cordata)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-11.4	-11.4	—	—	—	-11.4
Chitalpa (x Chitalpa tashkentensis)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-13.8	-13.8	—	—	—	-13.8
Subtotal	—	-0.23	-0.03	—	-0.09	-0.27	-0.27	-0.53	-0.07	-0.07	-0.14	—	-350	-350	—	—	—	-350
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-89.6	-89.6	—	—	—	-89.6

Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-166	-166	—	—	—	-166
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-39.2	-39.2	—	—	—	-39.2
Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-11.9	-11.9	—	—	—	-11.9
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-15.3	-15.3	—	—	—	-15.3
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-126	-126	—	—	—	-126
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-33.5	-33.5	—	—	—	-33.5
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-42.3	-42.3	—	—	—	-42.3
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-69.4	-69.4	—	—	—	-69.4
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-14.2	-14.2	—	—	—	-14.2

London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-15.7	-15.7	—	—	—	-15.7
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-47.4	-47.4	—	—	—	-47.4
Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-52.2	-52.2	—	—	—	-52.2
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-19.5	-19.5	—	—	—	-19.5
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-134	-134	—	—	—	-134
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-37.2	-37.2	—	—	—	-37.2
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-4.58	-4.58	—	—	—	-4.58
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-6.23	-6.23	—	—	—	-6.23
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-7.81	-7.81	—	—	—	-7.81
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-53.3	-53.3	—	—	—	-53.3

Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-27.9	-27.9	—	—	—	-27.9
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-1,013	-1,013	—	—	—	-1,013
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Tulip tree(Liriodendron tulipifera)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Littleleaf linden(Tilia cordata)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.21	—	-0.15	-0.03	-0.03	-0.07	-0.01	-0.01	-0.02	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-1,363	-1,363	—	—	—	-1,363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-23.5	-23.5	—	—	—	-23.5
Red maple(Acer rubrum)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-36.1	-36.1	—	—	—	-36.1
Freeman maple(Acer x freemanii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-11.8	-11.8	—	—	—	-11.8

Strawberry tree(Arbunedo)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-15.1	-15.1	—	—	—	-15.1
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.44	-6.44	—	—	—	-6.44
White ash(Fraxinus americana)	—	-0.03	> -0.005	—	-0.01	-0.04	-0.04	-0.08	-0.01	-0.01	-0.02	—	-51.6	-51.6	—	—	—	-51.6
Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-6.39	-6.39	—	—	—	-6.39
Tulip tree(Liriodendron tulipifera)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-14.0	-14.0	—	—	—	-14.0
Southern magnolia(Magnolia grandiflora)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-30.4	-30.4	—	—	—	-30.4
Pinyon pine(Pinus edulis)	—	-0.01	> -0.005	—	-0.01	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-22.0	-22.0	—	—	—	-22.0
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.99	-6.99	—	—	—	-6.99
Scarlet oak(Quercus coccinea)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-10.2	-10.2	—	—	—	-10.2
Holly oak(Quercus ilex)	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-22.8	-22.8	—	—	—	-22.8

Oak spp(Quercus)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-7.64	-7.64	—	—	—	-7.64
Willow oak(Quercus phellos)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.05	-0.01	-0.01	-0.01	—	-32.4	-32.4	—	—	—	-32.4
Shumard oak(Quercus shumardii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-16.6	-16.6	—	—	—	-16.6
Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.13	-4.13	—	—	—	-4.13
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.85	-4.85	—	—	—	-4.85
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.58	-1.58	—	—	—	-1.58
Littleleaf linden(Tilia cordata)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-11.4	-11.4	—	—	—	-11.4
Chitalpa (x Chitalpa tashkentensis)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-13.8	-13.8	—	—	—	-13.8
Subtotal	—	-0.23	-0.03	—	-0.09	-0.27	-0.27	-0.53	-0.07	-0.07	-0.14	—	-350	-350	—	—	—	-350
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-89.6	-89.6	—	—	—	-89.6

Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-166	-166	—	—	—	-166
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-39.2	-39.2	—	—	—	-39.2
Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-11.9	-11.9	—	—	—	-11.9
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-15.3	-15.3	—	—	—	-15.3
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-126	-126	—	—	—	-126
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-33.5	-33.5	—	—	—	-33.5
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-42.3	-42.3	—	—	—	-42.3
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-69.4	-69.4	—	—	—	-69.4
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-14.2	-14.2	—	—	—	-14.2

London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-15.7	-15.7	—	—	—	-15.7
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-47.4	-47.4	—	—	—	-47.4
Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-52.2	-52.2	—	—	—	-52.2
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-19.5	-19.5	—	—	—	-19.5
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-134	-134	—	—	—	-134
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-37.2	-37.2	—	—	—	-37.2
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-4.58	-4.58	—	—	—	-4.58
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-6.23	-6.23	—	—	—	-6.23
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-7.81	-7.81	—	—	—	-7.81
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-53.3	-53.3	—	—	—	-53.3

Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-27.9	-27.9	—	—	—	-27.9
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-1,013	-1,013	—	—	—	-1,013
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Tulip tree(Liriodendron tulipifera)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Littleleaf linden(Tilia cordata)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.21	—	-0.15	-0.03	-0.03	-0.07	-0.01	-0.01	-0.02	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-1,363	-1,363	—	—	—	-1,363
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.90	-3.90	—	—	—	-3.90
Red maple(Acer rubrum)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-5.98	-5.98	—	—	—	-5.98
Freeman maple(Acer x freemanii)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.96	-1.96	—	—	—	-1.96

Strawberry tree(Arbutus unedo)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.50	-2.50	—	—	—	-2.50
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.07	-1.07	—	—	—	-1.07
White ash(Fraxinus americana)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-8.54	-8.54	—	—	—	-8.54
Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.06	-1.06	—	—	—	-1.06
Tulip tree(Liriodendron tulipifera)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.32	-2.32	—	—	—	-2.32
Southern magnolia(Magnolia grandiflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.03	-5.03	—	—	—	-5.03
Pinyon pine(Pinus edulis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.64	-3.64	—	—	—	-3.64
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.16	-1.16	—	—	—	-1.16
Scarlet oak(Quercus coccinea)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.69	-1.69	—	—	—	-1.69

Holly oak(Quercus ilex)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.78	-3.78	—	—	—	-3.78
Oak spp(Quercus)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.26	-1.26	—	—	—	-1.26
Willow oak(Quercus phellos)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.37	-5.37	—	—	—	-5.37
Shumard oak(Quercus shumardii)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.74	-2.74	—	—	—	-2.74
Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.68	-0.68	—	—	—	-0.68
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.80	-0.80	—	—	—	-0.80
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.26	-0.26	—	—	—	-0.26
Littleleaf linden(Tilia cordata)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.89	-1.89	—	—	—	-1.89
Chitalpa (x Chitalpa tashkentensis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.28	-2.28	—	—	—	-2.28
Subtotal	—	-0.04	> -0.005	—	-0.02	-0.05	-0.05	-0.10	-0.01	-0.01	-0.03	—	-57.9	-57.9	—	—	—	-57.9
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-14.8	-14.8	—	—	—	-14.8
Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-27.5	-27.5	—	—	—	-27.5
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-6.49	-6.49	—	—	—	-6.49
Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-1.97	-1.97	—	—	—	-1.97
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-2.54	-2.54	—	—	—	-2.54
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-20.8	-20.8	—	—	—	-20.8
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-5.55	-5.55	—	—	—	-5.55
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-7.01	-7.01	—	—	—	-7.01
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-11.5	-11.5	—	—	—	-11.5

Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-2.35	-2.35	—	—	—	-2.35
London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-2.59	-2.59	—	—	—	-2.59
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-7.85	-7.85	—	—	—	-7.85
Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-8.64	-8.64	—	—	—	-8.64
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-3.23	-3.23	—	—	—	-3.23
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-22.1	-22.1	—	—	—	-22.1
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-6.16	-6.16	—	—	—	-6.16
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-0.76	-0.76	—	—	—	-0.76
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-1.03	-1.03	—	—	—	-1.03
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-1.29	-1.29	—	—	—	-1.29

Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-8.83	-8.83	—	—	—	-8.83
Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-4.62	-4.62	—	—	—	-4.62
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-168	-168	—	—	—	-168
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Wilga; australian willow(Geijera parviflora)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Tulip tree(Liriodendron tulipifera)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Littleleaf linden(Tilia cordata)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.04	—	-0.03	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.04	-0.04	—	-0.04	-0.05	-0.05	-0.11	-0.01	-0.01	-0.03	—	-226	-226	—	—	—	-226

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	4/1/2027	5/26/2027	5.00	40.0	—
Grading	Grading	5/27/2027	12/8/2027	5.00	140	—
Building Construction	Building Construction	10/11/2029	4/18/2035	5.00	1,440	—
Paving	Paving	12/9/2027	10/10/2029	5.00	480	—
Architectural Coating	Architectural Coating	10/25/2029	5/2/2035	5.00	1,440	—

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
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	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	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
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
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Back	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	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/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
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
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	27.5	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	648	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	135	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	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	130	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
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	27.5	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	648	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	135	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	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	130	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	3,915,702	1,305,234	31,200	10,400	5,985

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	60.0	0.00	—
Grading	—	400,000	490	0.00	—
Paving	0.00	0.00	0.00	0.00	10.1

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	7.85	0%
Apartments Low Rise	—	0%
Apartments Mid Rise	—	0%
Day-Care Center	0.00	0%
Parking Lot	2.29	100%
Fast Food Restaurant w/o Drive Thru	0.00	0%
City Park	0.00	0%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	204	0.03	< 0.005

2028	0.00	204	0.03	< 0.005
2029	0.00	204	0.03	< 0.005
2030	0.00	204	0.03	< 0.005
2031	0.00	204	0.03	< 0.005
2032	0.00	204	0.03	< 0.005
2033	0.00	204	0.03	< 0.005
2034	0.00	204	0.03	< 0.005
2035	0.00	204	0.03	< 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
Single Family Housing	6,301	6,301	6,301	2,299,938	46,115	46,115	46,115	16,832,085
Apartments Low Rise	1,823	1,823	1,823	665,410	13,342	13,342	13,342	4,869,797
Apartments Mid Rise	1,130	1,130	1,130	412,450	8,270	8,270	8,270	3,018,513
Day-Care Center	282	282	282	102,811	2,263	2,263	2,263	825,837
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	255	255	255	93,203	2,051	2,051	2,051	748,661
City Park	620	620	620	226,397	4,982	4,982	4,982	1,818,558
City Park	0.00	0.00	0.00	0.00	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

Single Family Housing	6,301	6,301	6,301	2,299,938	46,115	46,115	46,115	16,832,085
Apartments Low Rise	1,823	1,823	1,823	665,410	13,342	13,342	13,342	4,869,797
Apartments Mid Rise	1,130	1,130	1,130	412,450	8,270	8,270	8,270	3,018,513
Day-Care Center	282	282	282	102,811	2,263	2,263	2,263	825,837
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	255	255	255	93,203	2,051	2,051	2,051	748,661
City Park	620	620	620	226,397	4,982	4,982	4,982	1,818,558
City Park	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

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	712
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	288
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	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	250
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0

No Fireplaces	712
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	288
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	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	250
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)
3915702	1,305,234	31,200	10,400	5,985

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	6,070,305	204	0.0330	0.0040	0.00
Apartments Low Rise	1,280,122	204	0.0330	0.0040	0.00
Apartments Mid Rise	1,129,453	204	0.0330	0.0040	0.00
Day-Care Center	28,874	204	0.0330	0.0040	272,212
Parking Lot	87,383	204	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	200,768	204	0.0330	0.0040	609,254
City Park	0.00	204	0.0330	0.0040	0.00
City Park	0.00	204	0.0330	0.0040	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)
Single Family Housing	4,229,880	204	0.0330	0.0040	0.00
Apartments Low Rise	0.00	204	0.0330	0.0040	0.00
Apartments Mid Rise	0.00	204	0.0330	0.0040	0.00
Day-Care Center	28,874	204	0.0330	0.0040	272,212
Parking Lot	87,383	204	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	200,768	204	0.0330	0.0040	609,254
City Park	0.00	204	0.0330	0.0040	0.00
City Park	0.00	204	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)
Single Family Housing	24,835,432	56,321,355
Apartments Low Rise	10,045,793	0.00
Apartments Mid Rise	8,720,306	0.00
Day-Care Center	270,204	0.00
Parking Lot	0.00	0.00
Fast Food Restaurant w/o Drive Thru	1,517,669	0.00
City Park	0.00	24,564,445
City Park	0.00	63,489,643

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Single Family Housing	24,835,432	56,321,355
Apartments Low Rise	10,045,793	0.00
Apartments Mid Rise	8,720,306	0.00
Day-Care Center	270,204	0.00
Parking Lot	0.00	0.00
Fast Food Restaurant w/o Drive Thru	1,517,669	0.00
City Park	0.00	24,564,445
City Park	0.00	63,489,643

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	466	—
Apartments Low Rise	213	—
Apartments Mid Rise	185	—
Day-Care Center	8.19	—
Parking Lot	0.00	—
Fast Food Restaurant w/o Drive Thru	57.6	—
City Park	1.65	—
City Park	4.33	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	466	—
Apartments Low Rise	213	—
Apartments Mid Rise	185	—
Day-Care Center	8.19	—

Parking Lot	0.00	—
Fast Food Restaurant w/o Drive Thru	57.6	—
City Park	1.65	—
City Park	4.33	—

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
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Low 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 Low Rise	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
Day-Care Center	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Day-Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Day-Care Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00

Day-Care Center	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Low 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 Low Rise	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
Day-Care Center	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Day-Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Day-Care Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Day-Care Center	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	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

5.15.2. Mitigated

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

5.16.2. Process Boilers

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

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
Cropland	Inceptisols	232	0.00

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
Cropland	Inceptisols	232	0.00

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

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)
Norway maple(Acer platanoides)	185	573,759	691
Red maple(Acer rubrum)	226	880,283	1,062
Freeman maple(Acer x freemanii)	77.0	288,237	348
Strawberry tree(Arbutus unedo)	79.0	306,104	773
European hornbeam(Carpinus betulus)	91.0	156,483	191
White ash(Fraxinus americana)	323	1,256,677	1,518
Wilga; australian willow(Geijera parviflora)	125	150,236	218
Tulip tree(Liriodendron tulipifera)	76.0	341,388	413
Southern magnolia(Magnolia grandiflora)	70.0	222,621	568
Southern magnolia(Magnolia grandiflora)	123	391,177	998
Pinyon pine(Pinus edulis)	123	446,166	1,122
London planetree(Platanus x hybrida)	64.0	170,177	206
Scarlet oak(Quercus coccinea)	64.0	248,497	301

Holly oak(Quercus ilex)	113	460,648	1,183
Oak spp(Quercus)	53.0	186,170	225
Willow oak(Quercus phellos)	221	789,333	955
Shumard oak(Quercus shumardii)	115	403,955	487
Cork oak(Quercus suber)	23.0	83,562	212
Interior live oak(Quercus wislizeni)	27.0	98,095	249
Weeping willow(Salix x sepulcralis)	12.0	38,541	46.5
Littleleaf linden(Tilia cordata)	183	276,712	339
Chitalpa(x Chitalpa tashkentensis)	122	335,933	404

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Norway maple(Acer platanoides)	185	573,759	691
Red maple(Acer rubrum)	226	880,283	1,062
Freeman maple(Acer x freemanii)	77.0	288,237	348
Strawberry tree(Arbutus unedo)	79.0	306,104	773
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Southern magnolia(Magnolia grandiflora)	70.0	222,621	568
Southern magnolia(Magnolia grandiflora)	123	391,177	998
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Holly oak(Quercus ilex)	113	460,648	1,183
Oak spp(Quercus)	53.0	186,170	225
Willow oak(Quercus phellos)	221	789,333	955

Shumard oak(Quercus shumardii)	115	403,955	487
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Weeping willow(Salix x sepulcralis)	12.0	38,541	46.5
Littleleaf linden(Tilia cordata)	183	276,712	339
Chitalpa(x Chitalpa tashkentensis)	122	335,933	404

8. User Changes to Default Data

Screen	Justification
Land Use	Building square footage and acreage adjusted to represent project-specific information. To be consistent with the project description, the Single Family Housing was chosen for the low density housing, Apartments Low Rise chosen for medium density, and Apartments Mid Rise for high density. All landscaped square feet associated with the project was added to the Single Family Housing land use. Additionally, the Street, Alley, and Landscape Corridor acres were accounted for in the lot acreage of the Single Family Housing. The retail land use currently listed within the project description is a coffee shop/cafe, therefore the Fast Food Restaurant w/o Drive Thru was chosen. The 19.5 acre City Park is representative of Recreational Community Center (9,500 building sf), Softball/Multi-Use Fields, and Pickleball Courts, while the 51.7 acre City Park is representative of the Urban Agricultural Transition Area and the Neighborhood Greenbelt.
Construction: Construction Phases	Based on typical construction practices, architectural coating assumed to start two weeks after the start of building construction and last for the same number of days. Demolition not required for the proposed project. The phase timing for the project is based on the project specific construction schedule provided by the applicant.
Operations: Road Dust	All roads within the project scale are paved.
Construction: Off-Road Equipment	Equipment added to grading phase to account for on-site soil movement.
Construction: On-Road Fugitive Dust	All roads in project vicinity are paved.
Construction: Trips and VMT	Soil movement during grading would occur on-site only. Thus, hauling trips have been adjusted for the grading phase to account for only on-site soil movement.
Operations: Vehicle Data	Trip rates and VMT adjusted to be consistent with traffic report prepared for the proposed project.
Operations: Energy Use	The project would utilize all electric homes, thus natural gas was zeroed out for residential land uses.

Willowgrove - With Tier 4 Engine Equipment Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Willowgrove - With Tier 4 Engine Equipment
Construction Start Date	4/1/2027
Operational Year	2035
Lead Agency	City of Davis
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	18.2
Location	38.569337703096465, -121.70844952240817
County	Yolo
City	Unincorporated
Air District	Yolo/Solano AQMD
Air Basin	Sacramento Valley
TAZ	317
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	712	Dwelling Unit	91.2	1,388,400	3,541,000	—	1,972	—

Apartments Low Rise	288	Dwelling Unit	52.6	305,280	0.00	—	798	—
Apartments Mid Rise	250	Dwelling Unit	14.9	240,000	0.00	—	692	—
Day-Care Center	6.30	1000sqft	0.14	6,300	0.00	—	—	—
Parking Lot	215	Space	2.29	0.00	0.00	—	—	—
Fast Food Restaurant w/o Drive Thru	5.00	1000sqft	1.50	5,000	0.00	—	—	—
City Park	19.2	Acre	19.2	0.00	849,420	849,420	—	—
City Park	50.4	Acre	50.4	0.00	2,195,424	2,195,424	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.8	14.2	34.9	50.3	0.08	1.43	19.8	21.0	1.32	10.1	11.2	—	13,893	13,893	0.34	0.59	25.9	14,103
Mit.	13.9	13.5	8.74	52.1	0.08	0.17	19.8	19.9	0.17	10.1	10.2	—	13,893	13,893	0.34	0.59	25.9	14,103
% Reduced	6%	5%	75%	-4%	—	88%	—	5%	87%	—	9%	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.7	14.1	35.0	43.0	0.08	1.43	16.3	17.7	1.32	7.12	8.44	—	13,251	13,251	0.36	0.85	0.76	13,515
Mit.	13.8	13.4	10.0	44.8	0.08	0.17	16.3	16.4	0.17	7.12	7.29	—	13,251	13,251	0.36	0.85	0.76	13,515
% Reduced	6%	5%	71%	-4%	—	88%	—	7%	87%	—	14%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.4	9.96	16.8	30.0	0.04	0.69	8.42	9.11	0.64	3.84	4.48	—	9,438	9,438	0.23	0.60	7.98	9,630
Mit.	9.77	9.47	6.58	31.3	0.04	0.08	8.42	8.50	0.08	3.84	3.92	—	9,438	9,438	0.23	0.60	7.98	9,630
% Reduced	6%	5%	61%	-4%	—	89%	—	7%	88%	—	12%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.90	1.82	3.06	5.48	0.01	0.13	1.54	1.66	0.12	0.70	0.82	—	1,563	1,563	0.04	0.10	1.32	1,594
Mit.	1.78	1.73	1.20	5.71	0.01	0.01	1.54	1.55	0.01	0.70	0.72	—	1,563	1,563	0.04	0.10	1.32	1,594
% Reduced	6%	5%	61%	-4%	—	89%	—	7%	88%	—	12%	—	—	—	—	—	—	—

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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.85	4.09	34.9	36.9	0.08	1.43	19.8	21.0	1.32	10.1	11.2	—	8,480	8,480	0.34	0.08	0.99	8,512
2028	0.89	0.75	6.66	10.7	0.01	0.26	0.15	0.41	0.24	0.04	0.27	—	1,671	1,671	0.06	0.02	0.49	1,679
2029	0.87	0.73	6.49	10.6	0.01	0.24	0.15	0.39	0.22	0.04	0.26	—	1,668	1,668	0.06	0.01	0.44	1,674
2030	14.8	14.2	14.5	50.3	0.05	0.30	8.86	9.16	0.28	2.12	2.39	—	13,893	13,893	0.31	0.59	25.9	14,103
2031	14.6	14.1	14.0	48.2	0.05	0.28	8.86	9.14	0.26	2.12	2.38	—	13,661	13,661	0.31	0.57	22.8	13,860

2032	14.3	13.9	13.6	46.6	0.05	0.26	8.86	9.12	0.24	2.12	2.36	—	13,442	13,442	0.26	0.54	20.0	13,630
2033	14.2	13.8	13.0	45.1	0.05	0.24	8.86	9.10	0.22	2.12	2.34	—	13,236	13,236	0.26	0.54	17.4	13,421
2034	14.0	13.7	12.7	43.7	0.05	0.22	8.86	9.09	0.21	2.12	2.33	—	13,043	13,043	0.26	0.51	15.1	13,218
2035	14.0	13.7	12.4	42.4	0.05	0.21	8.86	9.07	0.20	2.12	2.32	—	12,864	12,864	0.24	0.51	12.9	13,036
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.84	4.07	35.0	36.5	0.08	1.43	16.3	17.7	1.32	7.12	8.44	—	8,447	8,447	0.34	0.08	0.03	8,479
2028	0.88	0.74	6.67	10.5	0.01	0.26	0.15	0.41	0.24	0.04	0.27	—	1,654	1,654	0.06	0.02	0.01	1,661
2029	14.7	14.1	16.0	43.0	0.05	0.31	8.86	9.18	0.29	2.12	2.41	—	13,251	13,251	0.36	0.85	0.76	13,515
2030	14.6	14.0	15.3	41.3	0.05	0.30	8.86	9.16	0.28	2.12	2.39	—	13,032	13,032	0.34	0.85	0.67	13,296
2031	14.2	13.9	14.6	39.8	0.05	0.28	8.86	9.14	0.26	2.12	2.38	—	12,815	12,815	0.34	0.81	0.59	13,066
2032	14.1	13.7	14.2	38.6	0.05	0.26	8.86	9.12	0.24	2.12	2.36	—	12,609	12,609	0.30	0.79	0.52	12,851
2033	14.0	13.7	13.6	37.5	0.05	0.24	8.86	9.10	0.22	2.12	2.34	—	12,415	12,415	0.30	0.54	0.45	12,583
2034	13.9	13.6	13.3	36.4	0.05	0.22	8.86	9.09	0.21	2.12	2.33	—	12,232	12,232	0.30	0.51	0.39	12,393
2035	13.8	13.5	13.0	35.2	0.05	0.21	8.86	9.07	0.20	2.12	2.32	—	12,062	12,062	0.28	0.51	0.34	12,223
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.30	1.94	16.8	17.7	0.04	0.69	8.42	9.11	0.64	3.84	4.48	—	3,917	3,917	0.16	0.04	0.20	3,932
2028	0.63	0.53	4.77	7.51	0.01	0.18	0.11	0.29	0.17	0.03	0.19	—	1,187	1,187	0.05	0.01	0.15	1,192
2029	2.53	2.36	6.06	12.6	0.02	0.18	1.45	1.64	0.17	0.35	0.52	—	3,035	3,035	0.09	0.14	2.08	3,081
2030	10.4	9.96	10.7	30.0	0.04	0.21	6.26	6.47	0.20	1.50	1.69	—	9,438	9,438	0.23	0.60	7.98	9,630
2031	10.1	9.89	10.3	28.8	0.04	0.20	6.26	6.46	0.18	1.50	1.68	—	9,280	9,280	0.23	0.40	7.04	9,414
2032	10.1	9.83	9.89	27.9	0.04	0.19	6.27	6.46	0.17	1.50	1.67	—	9,156	9,156	0.20	0.39	6.19	9,283
2033	9.99	9.76	9.61	27.1	0.04	0.17	6.26	6.43	0.16	1.50	1.65	—	8,991	8,991	0.20	0.39	5.38	9,116
2034	9.90	9.69	9.40	26.3	0.04	0.16	6.26	6.42	0.15	1.50	1.64	—	8,859	8,859	0.20	0.37	4.66	8,978
2035	3.22	3.16	2.69	7.69	0.01	0.04	1.89	1.93	0.04	0.45	0.49	—	2,620	2,620	0.06	0.11	1.20	2,655
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.42	0.35	3.06	3.22	0.01	0.13	1.54	1.66	0.12	0.70	0.82	—	649	649	0.03	0.01	0.03	651

2028	0.12	0.10	0.87	1.37	< 0.005	0.03	0.02	0.05	0.03	< 0.005	0.04	—	197	197	0.01	< 0.005	0.02	197
2029	0.46	0.43	1.11	2.30	< 0.005	0.03	0.27	0.30	0.03	0.06	0.09	—	502	502	0.01	0.02	0.34	510
2030	1.90	1.82	1.95	5.48	0.01	0.04	1.14	1.18	0.04	0.27	0.31	—	1,563	1,563	0.04	0.10	1.32	1,594
2031	1.85	1.81	1.89	5.26	0.01	0.04	1.14	1.18	0.03	0.27	0.31	—	1,536	1,536	0.04	0.07	1.16	1,559
2032	1.84	1.79	1.81	5.10	0.01	0.03	1.15	1.18	0.03	0.27	0.31	—	1,516	1,516	0.03	0.06	1.02	1,537
2033	1.82	1.78	1.75	4.94	0.01	0.03	1.14	1.17	0.03	0.27	0.30	—	1,489	1,489	0.03	0.06	0.89	1,509
2034	1.81	1.77	1.72	4.81	0.01	0.03	1.14	1.17	0.03	0.27	0.30	—	1,467	1,467	0.03	0.06	0.77	1,486
2035	0.59	0.58	0.49	1.40	< 0.005	0.01	0.34	0.35	0.01	0.08	0.09	—	434	434	0.01	0.02	0.20	440

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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.97	0.96	6.30	44.8	0.08	0.17	19.8	19.9	0.17	10.1	10.2	—	8,480	8,480	0.34	0.08	0.99	8,512
2028	0.23	0.22	1.97	11.3	0.01	0.03	0.15	0.18	0.03	0.04	0.06	—	1,671	1,671	0.06	0.02	0.49	1,679
2029	0.23	0.22	1.97	11.3	0.01	0.03	0.15	0.18	0.03	0.04	0.06	—	1,668	1,668	0.06	0.01	0.44	1,674
2030	13.9	13.5	8.74	52.1	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	13,893	13,893	0.31	0.59	25.9	14,103
2031	13.8	13.4	8.57	50.0	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	13,661	13,661	0.31	0.57	22.8	13,860
2032	13.5	13.3	8.43	48.5	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	13,442	13,442	0.26	0.54	20.0	13,630
2033	13.4	13.2	8.04	47.0	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	13,236	13,236	0.26	0.54	17.4	13,421
2034	13.2	13.1	7.90	45.6	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	13,043	13,043	0.26	0.51	15.1	13,218
2035	13.2	13.1	7.80	44.4	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	12,864	12,864	0.24	0.51	12.9	13,036
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.96	0.94	6.32	44.4	0.08	0.17	16.3	16.4	0.17	7.12	7.29	—	8,447	8,447	0.34	0.08	0.03	8,479
2028	0.22	0.22	1.98	11.2	0.01	0.03	0.15	0.18	0.03	0.04	0.06	—	1,654	1,654	0.06	0.02	0.01	1,661

2029	13.8	13.4	10.0	44.8	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	13,251	13,251	0.36	0.85	0.76	13,515
2030	13.7	13.3	9.62	43.1	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	13,032	13,032	0.34	0.85	0.67	13,296
2031	13.4	13.2	9.18	41.7	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	12,815	12,815	0.34	0.81	0.59	13,066
2032	13.3	13.1	9.01	40.5	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	12,609	12,609	0.30	0.79	0.52	12,851
2033	13.2	13.1	8.63	39.4	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	12,415	12,415	0.30	0.54	0.45	12,583
2034	13.1	13.0	8.49	38.3	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	12,232	12,232	0.30	0.51	0.39	12,393
2035	13.1	12.9	8.35	37.2	0.05	0.10	8.86	8.96	0.10	2.12	2.22	—	12,062	12,062	0.28	0.51	0.34	12,223
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.44	0.43	2.80	20.7	0.04	0.08	8.42	8.50	0.08	3.84	3.92	—	3,917	3,917	0.16	0.04	0.20	3,932
2028	0.16	0.16	1.41	8.00	0.01	0.02	0.11	0.13	0.02	0.03	0.05	—	1,187	1,187	0.05	0.01	0.15	1,192
2029	2.04	1.96	2.61	13.3	0.02	0.03	1.45	1.49	0.03	0.35	0.38	—	3,035	3,035	0.09	0.14	2.08	3,081
2030	9.77	9.47	6.58	31.3	0.04	0.07	6.26	6.33	0.07	1.50	1.57	—	9,438	9,438	0.23	0.60	7.98	9,630
2031	9.54	9.42	6.46	30.1	0.04	0.07	6.26	6.33	0.07	1.50	1.57	—	9,280	9,280	0.23	0.40	7.04	9,414
2032	9.50	9.37	6.18	29.3	0.04	0.07	6.27	6.35	0.07	1.50	1.57	—	9,156	9,156	0.20	0.39	6.19	9,283
2033	9.43	9.32	6.06	28.4	0.04	0.07	6.26	6.33	0.07	1.50	1.57	—	8,991	8,991	0.20	0.39	5.38	9,116
2034	9.35	9.26	5.96	27.7	0.04	0.07	6.26	6.33	0.07	1.50	1.57	—	8,859	8,859	0.20	0.37	4.66	8,978
2035	3.06	3.03	1.71	8.11	0.01	0.02	1.89	1.91	0.02	0.45	0.47	—	2,620	2,620	0.06	0.11	1.20	2,655
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.08	0.08	0.51	3.78	0.01	0.01	1.54	1.55	0.01	0.70	0.72	—	649	649	0.03	0.01	0.03	651
2028	0.03	0.03	0.26	1.46	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	197	197	0.01	< 0.005	0.02	197
2029	0.37	0.36	0.48	2.42	< 0.005	0.01	0.27	0.27	0.01	0.06	0.07	—	502	502	0.01	0.02	0.34	510
2030	1.78	1.73	1.20	5.71	0.01	0.01	1.14	1.16	0.01	0.27	0.29	—	1,563	1,563	0.04	0.10	1.32	1,594
2031	1.74	1.72	1.18	5.50	0.01	0.01	1.14	1.16	0.01	0.27	0.29	—	1,536	1,536	0.04	0.07	1.16	1,559
2032	1.73	1.71	1.13	5.34	0.01	0.01	1.15	1.16	0.01	0.27	0.29	—	1,516	1,516	0.03	0.06	1.02	1,537
2033	1.72	1.70	1.11	5.19	0.01	0.01	1.14	1.16	0.01	0.27	0.29	—	1,489	1,489	0.03	0.06	0.89	1,509
2034	1.71	1.69	1.09	5.06	0.01	0.01	1.14	1.16	0.01	0.27	0.29	—	1,467	1,467	0.03	0.06	0.77	1,486
2035	0.56	0.55	0.31	1.48	< 0.005	< 0.005	0.34	0.35	< 0.005	0.08	0.09	—	434	434	0.01	0.02	0.20	440

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.	88.3	85.4	22.8	308	0.35	0.10	54.5	54.6	0.29	13.8	14.1	591	64,627	65,219	62.6	3.07	97.5	67,794
Mit.	88.3	85.4	22.8	308	0.35	0.10	54.5	54.6	0.29	13.8	14.1	591	62,252	62,843	62.2	3.02	97.5	65,396
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	1%	2%	—	4%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	79.2	76.5	25.9	209	0.30	0.07	54.5	54.5	0.26	13.8	14.1	591	59,782	60,373	62.9	3.29	23.7	62,951
Mit.	79.2	76.5	25.9	209	0.30	0.07	54.5	54.5	0.26	13.8	14.1	591	57,407	57,998	62.5	3.25	23.7	60,552
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	1%	1%	—	4%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	82.4	79.6	24.5	239	0.31	0.08	53.8	53.9	0.28	13.7	14.0	591	60,850	61,442	62.7	3.18	54.4	64,010
Mit.	82.4	79.6	24.5	239	0.31	0.08	53.8	53.9	0.28	13.7	14.0	591	58,475	59,067	62.3	3.13	54.4	61,612
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	1%	1%	—	4%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.0	14.5	4.47	43.7	0.06	0.02	9.83	9.84	0.05	2.50	2.55	97.9	10,074	10,172	10.4	0.53	9.01	10,598
Mit.	15.0	14.5	4.47	43.7	0.06	0.02	9.83	9.84	0.05	2.50	2.55	97.9	9,681	9,779	10.3	0.52	9.01	10,201
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	1%	1%	—	4%

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	34.0	31.6	22.2	236	0.58	0.35	54.8	55.1	0.33	13.9	14.3	—	59,241	59,241	2.38	2.75	75.8	60,197
Area	54.3	54.0	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	192	192	0.01	< 0.005	—	192
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	5,199	5,199	0.82	0.10	—	5,248
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	88.3	85.4	22.8	308	0.35	0.10	54.5	54.6	0.29	13.8	14.1	591	64,627	65,219	62.6	3.07	97.5	67,794
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.5	29.0	25.9	209	0.53	0.35	54.8	55.1	0.33	13.9	14.3	—	54,588	54,588	2.70	2.98	1.97	55,546
Area	47.7	47.7	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
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	5,199	5,199	0.82	0.10	—	5,248
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	79.2	76.5	25.9	209	0.30	0.07	54.5	54.5	0.26	13.8	14.1	591	59,782	60,373	62.9	3.29	23.7	62,951
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.4	29.0	24.2	204	0.54	0.35	54.1	54.5	0.33	13.8	14.1	—	55,562	55,562	2.52	2.86	32.7	56,510

Area	51.0	50.8	0.32	35.4	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	94.5	94.5	< 0.005	< 0.005	—	94.8
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	5,199	5,199	0.82	0.10	—	5,248
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	82.4	79.6	24.5	239	0.31	0.08	53.8	53.9	0.28	13.7	14.0	591	60,850	61,442	62.7	3.18	54.4	64,010
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.74	5.30	4.41	37.2	0.10	0.06	9.88	9.94	0.06	2.51	2.57	—	9,199	9,199	0.42	0.47	5.42	9,356
Area	9.31	9.27	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7
Energy	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	861	861	0.14	0.02	—	869
Water	—	—	—	—	—	—	—	—	—	—	—	14.4	34.7	49.1	1.48	0.04	—	96.8
Waste	—	—	—	—	—	—	—	—	—	—	—	83.5	0.00	83.5	8.35	0.00	—	292
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.59	3.59
Vegetation	—	-0.04	-0.04	—	-0.04	-0.05	-0.05	-0.11	-0.01	-0.01	-0.03	—	-35.4	-35.4	—	—	—	-35.4
Total	15.0	14.5	4.47	43.7	0.06	0.02	9.83	9.84	0.05	2.50	2.55	97.9	10,074	10,172	10.4	0.53	9.01	10,598

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	34.0	31.6	22.2	236	0.58	0.35	54.8	55.1	0.33	13.9	14.3	—	59,241	59,241	2.38	2.75	75.8	60,197
Area	54.3	54.0	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	192	192	0.01	< 0.005	—	192
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	2,824	2,824	0.44	0.05	—	2,849
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585

Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	88.3	85.4	22.8	308	0.35	0.10	54.5	54.6	0.29	13.8	14.1	591	62,252	62,843	62.2	3.02	97.5	65,396
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.5	29.0	25.9	209	0.53	0.35	54.8	55.1	0.33	13.9	14.3	—	54,588	54,588	2.70	2.98	1.97	55,546
Area	47.7	47.7	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
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	2,824	2,824	0.44	0.05	—	2,849
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	79.2	76.5	25.9	209	0.30	0.07	54.5	54.5	0.26	13.8	14.1	591	57,407	57,998	62.5	3.25	23.7	60,552
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.4	29.0	24.2	204	0.54	0.35	54.1	54.5	0.33	13.8	14.1	—	55,562	55,562	2.52	2.86	32.7	56,510
Area	51.0	50.8	0.32	35.4	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	94.5	94.5	< 0.005	< 0.005	—	94.8
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	2,824	2,824	0.44	0.05	—	2,849
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	82.4	79.6	24.5	239	0.31	0.08	53.8	53.9	0.28	13.7	14.0	591	58,475	59,067	62.3	3.13	54.4	61,612
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.74	5.30	4.41	37.2	0.10	0.06	9.88	9.94	0.06	2.51	2.57	—	9,199	9,199	0.42	0.47	5.42	9,356
Area	9.31	9.27	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7

Energy	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	467	467	0.07	0.01	—	472
Water	—	—	—	—	—	—	—	—	—	—	—	14.4	34.7	49.1	1.48	0.04	—	96.8
Waste	—	—	—	—	—	—	—	—	—	—	—	83.5	0.00	83.5	8.35	0.00	—	292
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.59	3.59
Vegetation	—	-0.04	-0.04	—	-0.04	-0.05	-0.05	-0.11	-0.01	-0.01	-0.03	—	-35.4	-35.4	—	—	—	-35.4
Total	15.0	14.5	4.47	43.7	0.06	0.02	9.83	9.84	0.05	2.50	2.55	97.9	9,681	9,779	10.3	0.52	9.01	10,201

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63	3.05	28.0	28.3	0.05	1.17	—	1.17	1.08	—	1.08	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.40	0.33	3.07	3.10	0.01	0.13	—	0.13	0.12	—	0.12	—	581	581	0.02	< 0.005	—	583
Dust From Material Movement	—	—	—	—	—	—	2.15	2.15	—	1.11	1.11	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.56	0.57	< 0.005	0.02	—	0.02	0.02	—	0.02	—	96.1	96.1	< 0.005	< 0.005	—	96.5
Dust From Material Movement	—	—	—	—	—	—	0.39	0.39	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.92	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	191	191	< 0.005	0.01	0.63	193
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.4
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.16	3.16	< 0.005	< 0.005	< 0.005	3.21
Vendor	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
Hauling	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

3.2. Site Preparation (2027) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.28	3.10	0.01	0.01	—	0.01	0.01	—	0.01	—	581	581	0.02	< 0.005	—	583
Dust From Material Movement	—	—	—	—	—	—	2.15	2.15	—	1.11	1.11	—	—	—	—	—	—	—

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.57	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	96.1	96.1	< 0.005	< 0.005	—	96.5
Dust From Material Movement	—	—	—	—	—	—	0.39	0.39	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.92	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	191	191	< 0.005	0.01	0.63	193
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.4
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.16	3.16	< 0.005	< 0.005	< 0.005	3.21
Vendor	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
Hauling	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

3.3. Grading (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.74	3.99	34.9	35.4	0.08	1.43	—	1.43	1.32	—	1.32	—	8,180	8,180	0.33	0.07	—	8,208
Dust From Material Movement	—	—	—	—	—	—	16.0	16.0	—	7.06	7.06	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.74	3.99	34.9	35.4	0.08	1.43	—	1.43	1.32	—	1.32	—	8,180	8,180	0.33	0.07	—	8,208
Dust From Material Movement	—	—	—	—	—	—	16.0	16.0	—	7.06	7.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	1.53	13.4	13.6	0.03	0.55	—	0.55	0.51	—	0.51	—	3,138	3,138	0.13	0.03	—	3,148

Dust From Material Movement	—	—	—	—	—	—	6.14	6.14	—	2.71	2.71	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.44	2.48	0.01	0.10	—	0.10	0.09	—	0.09	—	519	519	0.02	< 0.005	—	521
Dust From Material Movement	—	—	—	—	—	—	1.12	1.12	—	0.49	0.49	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.07	1.45	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	300	300	< 0.005	0.01	0.99	304
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.09	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	267	267	0.01	0.01	0.03	271
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.42	0.00	0.00	0.11	0.11	0.00	0.02	0.02	—	105	105	< 0.005	< 0.005	0.16	107
Vendor	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

Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.03	17.6
Vendor	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
Hauling	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

3.4. Grading (2027) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	0.85	6.23	43.3	0.08	0.17	—	0.17	0.17	—	0.17	—	8,180	8,180	0.33	0.07	—	8,208
Dust From Material Movement	—	—	—	—	—	—	16.0	16.0	—	7.06	7.06	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	0.85	6.23	43.3	0.08	0.17	—	0.17	0.17	—	0.17	—	8,180	8,180	0.33	0.07	—	8,208
Dust From Material Movement	—	—	—	—	—	—	16.0	16.0	—	7.06	7.06	—	—	—	—	—	—	—

Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.33	2.39	16.6	0.03	0.07	—	0.07	0.06	—	0.06	—	3,138	3,138	0.13	0.03	—	3,148
Dust From Material Movement	—	—	—	—	—	—	6.14	6.14	—	2.71	2.71	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.44	3.03	0.01	0.01	—	0.01	0.01	—	0.01	—	519	519	0.02	< 0.005	—	521
Dust From Material Movement	—	—	—	—	—	—	1.12	1.12	—	0.49	0.49	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.07	1.45	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	300	300	< 0.005	0.01	0.99	304
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.09	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	267	267	0.01	0.01	0.03	271

Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.42	0.00	0.00	0.11	0.11	0.00	0.02	0.02	—	105	105	< 0.005	< 0.005	0.16	107
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.03	17.6
Vendor	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
Hauling	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

3.5. Building Construction (2029) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.19	0.15	1.38	2.07	< 0.005	0.04	—	0.04	0.04	—	0.04	—	385	385	0.02	< 0.005	—	386
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	63.7	63.7	< 0.005	< 0.005	—	63.9
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	1.93	1.89	22.9	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,071	6,071	0.13	0.26	0.49	6,153
Vendor	0.21	0.07	4.31	1.54	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,435	3,435	0.10	0.52	0.17	3,593
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.31	0.26	3.72	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	999	999	0.02	0.04	1.31	1,013
Vendor	0.03	0.01	0.68	0.25	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	551	551	0.02	0.08	0.44	577
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.68	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	165	165	< 0.005	0.01	0.22	168
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	91.2	91.2	< 0.005	0.01	0.07	95.5
Hauling	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

3.6. Building Construction (2029) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	2.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	385	385	0.02	< 0.005	—	386
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	63.7	63.7	< 0.005	< 0.005	—	63.9
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	1.93	1.89	22.9	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,071	6,071	0.13	0.26	0.49	6,153
Vendor	0.21	0.07	4.31	1.54	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,435	3,435	0.10	0.52	0.17	3,593
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.31	0.26	3.72	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	999	999	0.02	0.04	1.31	1,013
Vendor	0.03	0.01	0.68	0.25	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	551	551	0.02	0.08	0.44	577
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.68	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	165	165	< 0.005	0.01	0.22	168
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	91.2	91.2	< 0.005	0.01	0.07	95.5
Hauling	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

3.7. Building Construction (2030) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.80	0.67	5.99	9.20	0.02	0.19	—	0.19	0.17	—	0.17	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.15	0.12	1.09	1.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.30	2.05	1.18	29.0	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,690	6,690	0.09	0.04	16.9	6,722
Vendor	0.19	0.08	3.88	1.47	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,334	3,334	0.10	0.52	5.56	3,497
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.12	1.86	1.67	21.5	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,971	5,971	0.11	0.26	0.44	6,052
Vendor	0.18	0.07	4.16	1.51	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,337	3,337	0.10	0.52	0.14	3,495
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.50	1.32	1.01	15.8	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,373	4,373	0.07	0.18	5.22	4,433
Vendor	0.13	0.06	2.90	1.06	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,382	2,382	0.07	0.37	1.71	2,497
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.18	2.88	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	724	724	0.01	0.03	0.86	734
Vendor	0.02	0.01	0.53	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	394	394	0.01	0.06	0.28	413
Hauling	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

3.8. Building Construction (2030) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.25	0.23	2.01	10.6	0.02	0.05	—	0.05	0.05	—	0.05	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	1.93	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.30	2.05	1.18	29.0	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,690	6,690	0.09	0.04	16.9	6,722
Vendor	0.19	0.08	3.88	1.47	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,334	3,334	0.10	0.52	5.56	3,497
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.12	1.86	1.67	21.5	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,971	5,971	0.11	0.26	0.44	6,052
Vendor	0.18	0.07	4.16	1.51	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,337	3,337	0.10	0.52	0.14	3,495
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.50	1.32	1.01	15.8	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,373	4,373	0.07	0.18	5.22	4,433
Vendor	0.13	0.06	2.90	1.06	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,382	2,382	0.07	0.37	1.71	2,497
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.18	2.88	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	724	724	0.01	0.03	0.86	734
Vendor	0.02	0.01	0.53	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	394	394	0.01	0.06	0.28	413

Hauling	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

3.9. Building Construction (2031) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	5.80	9.18	0.02	0.17	—	0.17	0.16	—	0.16	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.14	0.12	1.06	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	1.96	1.16	27.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,584	6,584	0.09	0.04	15.1	6,614
Vendor	0.19	0.08	3.73	1.42	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,229	3,229	0.10	0.49	4.77	3,384
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.85	1.81	1.44	20.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,877	5,877	0.11	0.25	0.39	5,954
Vendor	0.18	0.07	4.00	1.46	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,232	3,232	0.10	0.49	0.12	3,382
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.31	1.28	1.00	14.9	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,305	4,305	0.07	0.03	4.64	4,320
Vendor	0.13	0.06	2.79	1.02	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,308	2,308	0.07	0.35	1.47	2,416
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.18	2.71	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	713	713	0.01	0.01	0.77	715
Vendor	0.02	0.01	0.51	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	382	382	0.01	0.06	0.24	400
Hauling	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

3.10. Building Construction (2031) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.23	2.01	10.6	0.02	0.05	—	0.05	0.05	—	0.05	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	1.93	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	1.96	1.16	27.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,584	6,584	0.09	0.04	15.1	6,614
Vendor	0.19	0.08	3.73	1.42	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,229	3,229	0.10	0.49	4.77	3,384
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.85	1.81	1.44	20.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,877	5,877	0.11	0.25	0.39	5,954
Vendor	0.18	0.07	4.00	1.46	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,232	3,232	0.10	0.49	0.12	3,382
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.31	1.28	1.00	14.9	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,305	4,305	0.07	0.03	4.64	4,320
Vendor	0.13	0.06	2.79	1.02	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,308	2,308	0.07	0.35	1.47	2,416
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.18	2.71	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	713	713	0.01	0.01	0.77	715
Vendor	0.02	0.01	0.51	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	382	382	0.01	0.06	0.24	400
Hauling	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

3.11. Building Construction (2032) - Unmitigated

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

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

Off-Road Equipm	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	5.64	9.16	0.02	0.16	—	0.16	0.15	—	0.15	—	1,717	1,717	0.07	0.01	—	1,723
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.03	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	284	284	0.01	< 0.005	—	285
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.91	1.88	1.15	26.1	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,487	6,487	0.07	0.04	13.3	6,515
Vendor	0.19	0.08	3.60	1.39	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,127	3,127	0.08	0.47	4.10	3,272
Hauling	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.76	1.72	1.42	19.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,791	5,791	0.10	0.25	0.34	5,867
Vendor	0.18	0.07	3.85	1.42	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,130	3,130	0.08	0.47	0.11	3,271
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.25	1.22	0.84	14.1	0.00	0.00	4.64	4.64	0.00	1.09	1.09	—	4,253	4,253	0.06	0.03	4.10	4,268
Vendor	0.13	0.06	2.69	1.00	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,240	2,240	0.05	0.34	1.26	2,343
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.22	0.15	2.58	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	704	704	0.01	0.01	0.68	707
Vendor	0.02	0.01	0.49	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	371	371	0.01	0.06	0.21	388
Hauling	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

3.12. Building Construction (2032) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.25	0.23	2.01	10.6	0.02	0.05	—	0.05	0.05	—	0.05	—	1,717	1,717	0.07	0.01	—	1,723
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.05	0.04	0.37	1.94	< 0.005	0.01	—	0.01	0.01	—	0.01	—	284	284	0.01	< 0.005	—	285
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.91	1.88	1.15	26.1	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,487	6,487	0.07	0.04	13.3	6,515
Vendor	0.19	0.08	3.60	1.39	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,127	3,127	0.08	0.47	4.10	3,272
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.76	1.72	1.42	19.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,791	5,791	0.10	0.25	0.34	5,867
Vendor	0.18	0.07	3.85	1.42	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,130	3,130	0.08	0.47	0.11	3,271
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.25	1.22	0.84	14.1	0.00	0.00	4.64	4.64	0.00	1.09	1.09	—	4,253	4,253	0.06	0.03	4.10	4,268
Vendor	0.13	0.06	2.69	1.00	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,240	2,240	0.05	0.34	1.26	2,343
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.22	0.15	2.58	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	704	704	0.01	0.01	0.68	707
Vendor	0.02	0.01	0.49	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	371	371	0.01	0.06	0.21	388
Hauling	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

3.13. Building Construction (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.75	0.63	5.48	9.13	0.02	0.15	—	0.15	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	1.00	1.67	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.86	1.82	0.93	24.9	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,399	6,399	0.07	0.04	11.6	6,425
Vendor	0.16	0.08	3.47	1.33	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,027	3,027	0.08	0.47	3.45	3,172
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.69	1.20	18.5	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,712	5,712	0.10	0.04	0.30	5,727
Vendor	0.15	0.07	3.73	1.37	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,030	3,030	0.07	0.47	0.09	3,172
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.23	1.20	0.83	13.5	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,184	4,184	0.06	0.03	3.59	4,198
Vendor	0.11	0.06	2.60	0.96	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,163	2,163	0.05	0.33	1.07	2,265
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	0.15	2.47	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	693	693	0.01	0.01	0.59	695
Vendor	0.02	0.01	0.47	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	358	358	0.01	0.06	0.18	375

Hauling	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

3.14. Building Construction (2033) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.23	2.01	10.6	0.02	0.05	—	0.05	0.05	—	0.05	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.05	0.04	0.37	1.93	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.86	1.82	0.93	24.9	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,399	6,399	0.07	0.04	11.6	6,425
Vendor	0.16	0.08	3.47	1.33	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,027	3,027	0.08	0.47	3.45	3,172
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.69	1.20	18.5	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,712	5,712	0.10	0.04	0.30	5,727
Vendor	0.15	0.07	3.73	1.37	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,030	3,030	0.07	0.47	0.09	3,172
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.23	1.20	0.83	13.5	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,184	4,184	0.06	0.03	3.59	4,198
Vendor	0.11	0.06	2.60	0.96	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,163	2,163	0.05	0.33	1.07	2,265
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	0.15	2.47	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	693	693	0.01	0.01	0.59	695
Vendor	0.02	0.01	0.47	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	358	358	0.01	0.06	0.18	375
Hauling	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

3.15. Building Construction (2034) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	5.37	9.12	0.02	0.14	—	0.14	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.98	1.66	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.75	1.72	0.91	23.7	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,318	6,318	0.07	0.04	10.1	6,343
Vendor	0.16	0.08	3.35	1.30	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,931	2,931	0.07	0.44	2.91	3,068
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.65	1.61	1.19	17.6	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,639	5,639	0.10	0.04	0.26	5,655
Vendor	0.15	0.07	3.61	1.34	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,934	2,934	0.07	0.44	0.08	3,068
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.17	1.15	0.82	12.9	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,131	4,131	0.06	0.03	3.13	4,145
Vendor	0.11	0.06	2.51	0.94	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,095	2,095	0.05	0.32	0.90	2,191
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.21	0.15	2.36	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	684	684	0.01	0.01	0.52	686
Vendor	0.02	0.01	0.46	0.17	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	347	347	0.01	0.05	0.15	363
Hauling	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

3.16. Building Construction (2034) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.23	2.01	10.6	0.02	0.05	—	0.05	0.05	—	0.05	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	1.93	< 0.005	0.01	—	0.01	0.01	—	0.01	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.75	1.72	0.91	23.7	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,318	6,318	0.07	0.04	10.1	6,343
Vendor	0.16	0.08	3.35	1.30	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,931	2,931	0.07	0.44	2.91	3,068
Hauling	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.65	1.61	1.19	17.6	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,639	5,639	0.10	0.04	0.26	5,655
Vendor	0.15	0.07	3.61	1.34	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,934	2,934	0.07	0.44	0.08	3,068
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.17	1.15	0.82	12.9	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,131	4,131	0.06	0.03	3.13	4,145
Vendor	0.11	0.06	2.51	0.94	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,095	2,095	0.05	0.32	0.90	2,191
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.21	0.15	2.36	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	684	684	0.01	0.01	0.52	686
Vendor	0.02	0.01	0.46	0.17	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	347	347	0.01	0.05	0.15	363
Hauling	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

3.17. Building Construction (2035) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.21	0.18	1.55	2.68	< 0.005	0.04	—	0.04	0.03	—	0.03	—	507	507	0.02	< 0.005	—	508
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.04	0.03	0.28	0.49	< 0.005	0.01	—	0.01	0.01	—	0.01	—	83.9	83.9	< 0.005	< 0.005	—	84.2
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.71	0.91	22.8	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,245	6,245	0.06	0.04	8.77	6,268
Vendor	0.16	0.08	3.25	1.28	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,840	2,840	0.07	0.44	2.42	2,976
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.59	1.18	16.8	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,574	5,574	0.09	0.04	0.23	5,589
Vendor	0.15	0.07	3.49	1.31	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,843	2,843	0.07	0.44	0.06	2,976
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.34	0.33	0.20	3.65	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,208	1,208	0.02	0.01	0.80	1,212
Vendor	0.03	0.02	0.72	0.27	0.01	0.01	0.21	0.21	0.01	0.06	0.06	—	600	600	0.02	0.09	0.22	629
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	200	200	< 0.005	< 0.005	0.13	201
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	99.4	99.4	< 0.005	0.02	0.04	104
Hauling	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

3.18. Building Construction (2035) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.33	2.81	14.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.07	0.07	0.59	3.13	< 0.005	0.02	—	0.02	0.01	—	0.01	—	507	507	0.02	< 0.005	—	508
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.57	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	83.9	83.9	< 0.005	< 0.005	—	84.2
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.71	0.91	22.8	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,245	6,245	0.06	0.04	8.77	6,268
Vendor	0.16	0.08	3.25	1.28	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,840	2,840	0.07	0.44	2.42	2,976
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.59	1.18	16.8	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,574	5,574	0.09	0.04	0.23	5,589
Vendor	0.15	0.07	3.49	1.31	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,843	2,843	0.07	0.44	0.06	2,976
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.33	0.20	3.65	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,208	1,208	0.02	0.01	0.80	1,212
Vendor	0.03	0.02	0.72	0.27	0.01	0.01	0.21	0.21	0.01	0.06	0.06	—	600	600	0.02	0.09	0.22	629
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	200	200	< 0.005	< 0.005	0.13	201
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	99.4	99.4	< 0.005	0.02	0.04	104

Hauling	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

3.19. Paving (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.31	0.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.0	68.0	< 0.005	< 0.005	—	68.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.3	11.3	< 0.005	< 0.005	—	11.3
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.60	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	146	146	< 0.005	0.01	0.01	148
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	0.01	6.82
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13
Vendor	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
Hauling	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

3.20. Paving (2027) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.01	0.01	0.09	0.48	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.0	68.0	< 0.005	< 0.005	—	68.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	< 0.005	< 0.005	0.02	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.3	11.3	< 0.005	< 0.005	—	11.3
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.60	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	146	146	< 0.005	0.01	0.01	148
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	0.01	6.82
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13
Vendor	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
Hauling	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

3.21. Paving (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	4.75	7.10	0.01	0.18	—	0.18	0.17	—	0.17	—	1,082	1,082	0.04	0.01	—	1,086
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.87	1.30	< 0.005	0.03	—	0.03	0.03	—	0.03	—	179	179	0.01	< 0.005	—	180
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.75	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	160	160	< 0.005	0.01	0.49	162
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.56	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	143	143	< 0.005	0.01	0.01	145
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.41	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.15	106
Vendor	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

Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.02	17.6
Vendor	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
Hauling	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

3.22. Paving (2028) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.11	0.11	1.38	7.59	0.01	0.02	—	0.02	0.02	—	0.02	—	1,082	1,082	0.04	0.01	—	1,086
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.25	1.39	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	179	179	0.01	< 0.005	—	180
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.75	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	160	160	< 0.005	0.01	0.49	162
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.56	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	143	143	< 0.005	0.01	0.01	145
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.41	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.15	106
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.02	17.6
Vendor	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
Hauling	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

3.23. Paving (2029) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.58	5.49	0.01	0.13	—	0.13	0.12	—	0.12	—	837	837	0.03	0.01	—	839

Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.65	1.00	< 0.005	0.02	—	0.02	0.02	—	0.02	—	139	139	0.01	< 0.005	—	139
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.71	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	157	157	< 0.005	< 0.005	0.44	158
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.53	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	140	140	< 0.005	0.01	0.01	142
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.30	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	79.8	79.8	< 0.005	< 0.005	0.10	80.8
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.02	13.4
Vendor	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

Hauling	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

3.24. Paving (2029) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.93	10.6	0.01	0.03	—	0.03	0.03	—	0.03	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	1.07	5.87	0.01	0.02	—	0.02	0.02	—	0.02	—	837	837	0.03	0.01	—	839
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.20	1.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	139	139	0.01	< 0.005	—	139
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.71	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	157	157	< 0.005	< 0.005	0.44	158
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.53	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	140	140	< 0.005	0.01	0.01	142
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.30	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	79.8	79.8	< 0.005	< 0.005	0.10	80.8
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.02	13.4
Vendor	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
Hauling	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

3.25. Architectural Coating (2029) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.11	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Architectural Coatings	1.41	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.94	2.94	< 0.005	< 0.005	—	2.95
Architectural Coatings	0.26	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.38	4.58	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,214	1,214	0.03	0.05	0.10	1,231
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.62	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	166	166	< 0.005	0.01	0.22	168
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.4	27.4	< 0.005	< 0.005	0.04	27.8
Vendor	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
Hauling	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

3.26. Architectural Coating (2029) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.09	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Architectural Coatings	1.41	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.94	2.94	< 0.005	< 0.005	—	2.95

Architectural Coating	0.26	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.38	4.58	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,214	1,214	0.03	0.05	0.10	1,231
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.62	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	166	166	< 0.005	0.01	0.22	168
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.4	27.4	< 0.005	< 0.005	0.04	27.8
Vendor	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
Hauling	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

3.27. Architectural Coating (2030) - Unmitigated

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

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

Off-Roa Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.56	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8

Architect Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.41	0.24	5.80	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,338	1,338	0.02	0.01	3.39	1,344
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.33	4.31	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,194	1,194	0.02	0.05	0.09	1,210
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.26	0.20	3.16	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	875	875	0.01	0.04	1.04	887
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.58	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	145	145	< 0.005	0.01	0.17	147
Vendor	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
Hauling	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

3.28. Architectural Coating (2030) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.46	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.41	0.24	5.80	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,338	1,338	0.02	0.01	3.39	1,344
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.33	4.31	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,194	1,194	0.02	0.05	0.09	1,210
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.26	0.20	3.16	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	875	875	0.01	0.04	1.04	887
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.58	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	145	145	< 0.005	0.01	0.17	147
Vendor	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
Hauling	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

3.29. Architectural Coating (2031) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7

Architect Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.23	5.47	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,317	1,317	0.02	0.01	3.01	1,323
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.36	0.29	4.07	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,175	1,175	0.02	0.05	0.08	1,191
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.20	2.97	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	861	861	0.01	0.01	0.93	864
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.05	0.05	0.04	0.54	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	143	143	< 0.005	< 0.005	0.15	143
Vendor	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
Hauling	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

3.30. Architectural Coating (2031) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.46	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.23	5.47	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,317	1,317	0.02	0.01	3.01	1,323
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.36	0.29	4.07	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,175	1,175	0.02	0.05	0.08	1,191
Vendor	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

Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.20	2.97	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	861	861	0.01	0.01	0.93	864
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.54	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	143	143	< 0.005	< 0.005	0.15	143
Vendor	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
Hauling	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

3.31. Architectural Coating (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.77	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.09	0.77	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.6	95.6	< 0.005	< 0.005	—	95.9
Architectural Coatings	7.60	7.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9
Architectural Coatings	1.39	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.38	0.23	5.23	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,297	1,297	0.01	0.01	2.65	1,303

Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.28	3.88	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,158	1,158	0.02	0.05	0.07	1,173
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.83	0.00	0.00	0.93	0.93	0.00	0.22	0.22	—	851	851	0.01	0.01	0.82	854
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.52	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	141	141	< 0.005	< 0.005	0.14	141
Vendor	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
Hauling	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

3.32. Architectural Coating (2032) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134

Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.46	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.6	95.6	< 0.005	< 0.005	—	95.9
Architectural Coatings	7.60	7.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9

Architectural Coating	1.39	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.38	0.23	5.23	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,297	1,297	0.01	0.01	2.65	1,303
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.28	3.88	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,158	1,158	0.02	0.05	0.07	1,173
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.83	0.00	0.00	0.93	0.93	0.00	0.22	0.22	—	851	851	0.01	0.01	0.82	854
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.52	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	141	141	< 0.005	< 0.005	0.14	141
Vendor	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
Hauling	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

3.33. Architectural Coating (2033) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.36	0.19	4.99	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,280	1,280	0.01	0.01	2.33	1,285
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.24	3.70	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,142	1,142	0.02	0.01	0.06	1,145
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.70	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	837	837	0.01	0.01	0.72	840
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.49	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	139	139	< 0.005	< 0.005	0.12	139

Vendor	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
Hauling	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

3.34. Architectural Coating (2033) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.02	0.02	0.46	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.36	0.19	4.99	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,280	1,280	0.01	0.01	2.33	1,285
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.24	3.70	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,142	1,142	0.02	0.01	0.06	1,145
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.70	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	837	837	0.01	0.01	0.72	840

Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.49	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	139	139	< 0.005	< 0.005	0.12	139
Vendor	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
Hauling	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

3.35. Architectural Coating (2034) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134

Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.79	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.18	4.75	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,264	1,264	0.01	0.01	2.03	1,269
Vendor	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
Hauling	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.24	3.52	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,128	1,128	0.02	0.01	0.05	1,131
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.16	2.58	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	826	826	0.01	0.01	0.63	829
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.47	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	137	137	< 0.005	< 0.005	0.10	137
Vendor	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
Hauling	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

3.36. Architectural Coating (2034) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.46	0.69	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.08	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.18	4.75	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,264	1,264	0.01	0.01	2.03	1,269
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.24	3.52	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,128	1,128	0.02	0.01	0.05	1,131
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.16	2.58	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	826	826	0.01	0.01	0.63	829
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.47	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	137	137	< 0.005	< 0.005	0.10	137
Vendor	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
Hauling	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

3.37. Architectural Coating (2035) - Unmitigated

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

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

Off-Road	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.9	31.9	< 0.005	< 0.005	—	32.0
Architectural Coatings	2.53	2.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.28	5.28	< 0.005	< 0.005	—	5.30

Architect Coatings	0.46	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.18	4.55	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,249	1,249	0.01	0.01	1.75	1,254
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.24	3.35	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,115	1,115	0.02	0.01	0.05	1,118
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.82	0.00	0.00	0.31	0.31	0.00	0.07	0.07	—	273	273	< 0.005	< 0.005	0.18	274
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	45.2	45.2	< 0.005	< 0.005	0.03	45.3
Vendor	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
Hauling	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

3.38. Architectural Coating (2035) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.9	31.9	< 0.005	< 0.005	—	32.0
Architectural Coatings	2.53	2.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.28	5.28	< 0.005	< 0.005	—	5.30
Architectural Coatings	0.46	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.18	4.55	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,249	1,249	0.01	0.01	1.75	1,254
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.24	3.35	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,115	1,115	0.02	0.01	0.05	1,118
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.82	0.00	0.00	0.31	0.31	0.00	0.07	0.07	—	273	273	< 0.005	< 0.005	0.18	274
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	45.2	45.2	< 0.005	< 0.005	0.03	45.3
Vendor	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
Hauling	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	20.5	19.1	13.3	142	0.35	0.21	32.8	33.0	0.20	8.34	8.53	—	35,480	35,480	1.43	1.65	45.4	36,054
Apartments Low Rise	5.93	5.52	3.85	41.0	0.10	0.06	9.49	9.55	0.06	2.41	2.47	—	10,265	10,265	0.41	0.48	13.1	10,431
Apartments Mid Rise	3.68	3.42	2.39	25.4	0.06	0.04	5.88	5.92	0.04	1.50	1.53	—	6,363	6,363	0.26	0.30	8.14	6,466
Day-Care Center	0.94	0.87	0.63	6.83	0.02	0.01	1.61	1.62	0.01	0.41	0.42	—	1,736	1,736	0.07	0.08	2.23	1,764
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.85	0.79	0.57	6.19	0.02	0.01	1.46	1.47	0.01	0.37	0.38	—	1,574	1,574	0.06	0.07	2.02	1,599
City Park	2.07	1.91	1.39	15.0	0.04	0.02	3.54	3.57	0.02	0.90	0.92	—	3,823	3,823	0.15	0.17	4.90	3,884
Total	34.0	31.6	22.2	236	0.58	0.35	54.8	55.1	0.33	13.9	14.3	—	59,241	59,241	2.38	2.75	75.8	60,197

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	19.0	17.5	15.5	125	0.32	0.21	32.8	33.0	0.20	8.34	8.53	—	32,694	32,694	1.62	1.79	1.18	33,270
Apartments Low Rise	5.50	5.07	4.50	36.3	0.09	0.06	9.49	9.55	0.06	2.41	2.47	—	9,459	9,459	0.47	0.52	0.34	9,625
Apartments Mid Rise	3.41	3.14	2.79	22.5	0.06	0.04	5.88	5.92	0.04	1.50	1.53	—	5,863	5,863	0.29	0.32	0.21	5,966
Day-Care Center	0.87	0.80	0.74	5.98	0.02	0.01	1.61	1.62	0.01	0.41	0.42	—	1,599	1,599	0.08	0.09	0.06	1,627
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.79	0.72	0.67	5.42	0.01	0.01	1.46	1.47	0.01	0.37	0.38	—	1,450	1,450	0.07	0.08	0.05	1,475
City Park	1.92	1.76	1.63	13.2	0.03	0.02	3.54	3.57	0.02	0.90	0.92	—	3,522	3,522	0.17	0.19	0.13	3,583
Total	31.5	29.0	25.9	209	0.53	0.35	54.8	55.1	0.33	13.9	14.3	—	54,588	54,588	2.70	2.98	1.97	55,546
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.46	3.20	2.65	22.3	0.06	0.04	5.92	5.95	0.04	1.50	1.54	—	5,509	5,509	0.25	0.28	3.25	5,604
Apartments Low Rise	1.00	0.93	0.77	6.46	0.02	0.01	1.71	1.72	0.01	0.44	0.45	—	1,594	1,594	0.07	0.08	0.94	1,621
Apartments Mid Rise	0.62	0.57	0.48	4.01	0.01	0.01	1.06	1.07	0.01	0.27	0.28	—	988	988	0.05	0.05	0.58	1,005

Day-Care Center	0.16	0.15	0.13	1.07	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	270	270	0.01	0.01	0.16	274
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.14	0.13	0.11	0.97	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07	—	244	244	0.01	0.01	0.14	248
City Park	0.35	0.32	0.28	2.36	0.01	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	594	594	0.03	0.03	0.35	604
Total	5.74	5.30	4.41	37.2	0.10	0.06	9.88	9.94	0.06	2.51	2.57	—	9,199	9,199	0.42	0.47	5.42	9,356

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	20.5	19.1	13.3	142	0.35	0.21	32.8	33.0	0.20	8.34	8.53	—	35,480	35,480	1.43	1.65	45.4	36,054
Apartments Low Rise	5.93	5.52	3.85	41.0	0.10	0.06	9.49	9.55	0.06	2.41	2.47	—	10,265	10,265	0.41	0.48	13.1	10,431
Apartments Mid Rise	3.68	3.42	2.39	25.4	0.06	0.04	5.88	5.92	0.04	1.50	1.53	—	6,363	6,363	0.26	0.30	8.14	6,466
Day-Care Center	0.94	0.87	0.63	6.83	0.02	0.01	1.61	1.62	0.01	0.41	0.42	—	1,736	1,736	0.07	0.08	2.23	1,764
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	0.00	0.00	0.00

Fast Food Restaurant w/o Drive Thru	0.85	0.79	0.57	6.19	0.02	0.01	1.46	1.47	0.01	0.37	0.38	—	1,574	1,574	0.06	0.07	2.02	1,599
City Park	2.07	1.91	1.39	15.0	0.04	0.02	3.54	3.57	0.02	0.90	0.92	—	3,823	3,823	0.15	0.17	4.90	3,884
Total	34.0	31.6	22.2	236	0.58	0.35	54.8	55.1	0.33	13.9	14.3	—	59,241	59,241	2.38	2.75	75.8	60,197
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	19.0	17.5	15.5	125	0.32	0.21	32.8	33.0	0.20	8.34	8.53	—	32,694	32,694	1.62	1.79	1.18	33,270
Apartments Low Rise	5.50	5.07	4.50	36.3	0.09	0.06	9.49	9.55	0.06	2.41	2.47	—	9,459	9,459	0.47	0.52	0.34	9,625
Apartments Mid Rise	3.41	3.14	2.79	22.5	0.06	0.04	5.88	5.92	0.04	1.50	1.53	—	5,863	5,863	0.29	0.32	0.21	5,966
Day-Care Center	0.87	0.80	0.74	5.98	0.02	0.01	1.61	1.62	0.01	0.41	0.42	—	1,599	1,599	0.08	0.09	0.06	1,627
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.79	0.72	0.67	5.42	0.01	0.01	1.46	1.47	0.01	0.37	0.38	—	1,450	1,450	0.07	0.08	0.05	1,475
City Park	1.92	1.76	1.63	13.2	0.03	0.02	3.54	3.57	0.02	0.90	0.92	—	3,522	3,522	0.17	0.19	0.13	3,583
Total	31.5	29.0	25.9	209	0.53	0.35	54.8	55.1	0.33	13.9	14.3	—	54,588	54,588	2.70	2.98	1.97	55,546
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.46	3.20	2.65	22.3	0.06	0.04	5.92	5.95	0.04	1.50	1.54	—	5,509	5,509	0.25	0.28	3.25	5,604

Apartment Low Rise	1.00	0.93	0.77	6.46	0.02	0.01	1.71	1.72	0.01	0.44	0.45	—	1,594	1,594	0.07	0.08	0.94	1,621
Apartments Mid Rise	0.62	0.57	0.48	4.01	0.01	0.01	1.06	1.07	0.01	0.27	0.28	—	988	988	0.05	0.05	0.58	1,005
Day-Care Center	0.16	0.15	0.13	1.07	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	270	270	0.01	0.01	0.16	274
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.14	0.13	0.11	0.97	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07	—	244	244	0.01	0.01	0.14	248
City Park	0.35	0.32	0.28	2.36	0.01	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	594	594	0.03	0.03	0.35	604
Total	5.74	5.30	4.41	37.2	0.10	0.06	9.88	9.94	0.06	2.51	2.57	—	9,199	9,199	0.42	0.47	5.42	9,356

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	3,392	3,392	0.55	0.07	—	3,426
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	715	715	0.12	0.01	—	722

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	631	631	0.10	0.01	—	637
Day-Car e Center	—	—	—	—	—	—	—	—	—	—	—	—	16.1	16.1	< 0.005	< 0.005	—	16.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	0.01	< 0.005	—	49.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.02	< 0.005	—	113
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,916	4,916	0.80	0.10	—	4,965
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	3,392	3,392	0.55	0.07	—	3,426
Apartme nts Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	715	715	0.12	0.01	—	722
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	631	631	0.10	0.01	—	637
Day-Car e Center	—	—	—	—	—	—	—	—	—	—	—	—	16.1	16.1	< 0.005	< 0.005	—	16.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	0.01	< 0.005	—	49.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.02	< 0.005	—	113

City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,916	4,916	0.80	0.10	—	4,965
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	562	562	0.09	0.01	—	567
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	118	118	0.02	< 0.005	—	120
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	105	105	0.02	< 0.005	—	106
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	2.67	2.67	< 0.005	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.09	8.09	< 0.005	< 0.005	—	8.17
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	18.6	18.6	< 0.005	< 0.005	—	18.8
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	814	814	0.13	0.02	—	822

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,364	2,364	0.38	0.05	—	2,387
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	16.1	16.1	< 0.005	< 0.005	—	16.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	0.01	< 0.005	—	49.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.02	< 0.005	—	113
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,541	2,541	0.41	0.05	—	2,566
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,364	2,364	0.38	0.05	—	2,387
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	16.1	16.1	< 0.005	< 0.005	—	16.3

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	0.01	< 0.005	—	49.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.02	< 0.005	—	113
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,541	2,541	0.41	0.05	—	2,566
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	391	391	0.06	0.01	—	395
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	2.67	2.67	< 0.005	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.09	8.09	< 0.005	< 0.005	—	8.17
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	18.6	18.6	< 0.005	< 0.005	—	18.8
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	421	421	0.07	0.01	—	425

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.2	87.2	0.01	< 0.005	—	87.5
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
Fast Food Restaurant w/o Drive Thru	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196
City Park	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	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	282	282	0.03	< 0.005	—	283
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	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
Apartments Low Rise	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

Apartments	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
Day-Care Center	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.2	87.2	0.01	< 0.005	—	87.5
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
Fast Food Restaurant w/o Drive Thru	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196
City Park	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	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	282	282	0.03	< 0.005	—	283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5
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
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.3	32.3	< 0.005	< 0.005	—	32.4
City Park	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	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.8	46.8	< 0.005	< 0.005	—	46.9

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.2	87.2	0.01	< 0.005	—	87.5
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
Fast Food Restaurant w/o Drive Thru	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196
City Park	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	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	282	282	0.03	< 0.005	—	283
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.2	87.2	0.01	< 0.005	—	87.5
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
Fast Food Restaurant w/o Drive Thru	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196
City Park	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	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	282	282	0.03	< 0.005	—	283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5
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

Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.3	32.3	< 0.005	< 0.005	—	32.4
City Park	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	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.8	46.8	< 0.005	< 0.005	—	46.9

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	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
Consumer Products	43.6	43.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	4.19	4.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.56	6.21	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	—	192	192	0.01	< 0.005	—	192
Total	54.3	54.0	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	192	192	0.01	< 0.005	—	192
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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

Consum Products	43.6	43.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	4.19	4.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	47.7	47.7	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	7.95	7.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.76	0.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.59	0.56	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.6	15.6	< 0.005	< 0.005	—	15.7
Total	9.31	9.27	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7

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	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
Consumer Products	43.6	43.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	4.19	4.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.56	6.21	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	—	192	192	0.01	< 0.005	—	192
Total	54.3	54.0	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	192	192	0.01	< 0.005	—	192
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	43.6	43.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	4.19	4.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	47.7	47.7	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	7.95	7.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.76	0.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.59	0.56	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.6	15.6	< 0.005	< 0.005	—	15.7
Total	9.31	9.27	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	47.6	94.2	142	4.90	0.12	—	299
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.3	17.6	36.8	1.98	0.05	—	100
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.7	15.3	32.0	1.72	0.04	—	87.1
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.52	0.47	0.99	0.05	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	2.66	5.56	0.30	0.01	—	15.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	79.3	79.3	0.01	< 0.005	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	47.6	94.2	142	4.90	0.12	—	299
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.3	17.6	36.8	1.98	0.05	—	100
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.7	15.3	32.0	1.72	0.04	—	87.1
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.52	0.47	0.99	0.05	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	2.66	5.56	0.30	0.01	—	15.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	79.3	79.3	0.01	< 0.005	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	7.88	15.6	23.5	0.81	0.02	—	49.6
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	3.19	2.91	6.10	0.33	0.01	—	16.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.77	2.53	5.29	0.28	0.01	—	14.4
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.09	0.08	0.16	0.01	< 0.005	—	0.45
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.48	0.44	0.92	0.05	< 0.005	—	2.51
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	13.1	13.1	< 0.005	< 0.005	—	13.3
Total	—	—	—	—	—	—	—	—	—	—	—	14.4	34.7	49.1	1.48	0.04	—	96.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	47.6	94.2	142	4.90	0.12	—	299
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.3	17.6	36.8	1.98	0.05	—	100
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.7	15.3	32.0	1.72	0.04	—	87.1
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.52	0.47	0.99	0.05	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	2.66	5.56	0.30	0.01	—	15.2

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	79.3	79.3	0.01	< 0.005	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	47.6	94.2	142	4.90	0.12	—	299
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.3	17.6	36.8	1.98	0.05	—	100
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.7	15.3	32.0	1.72	0.04	—	87.1
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.52	0.47	0.99	0.05	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	2.66	5.56	0.30	0.01	—	15.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	79.3	79.3	0.01	< 0.005	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	7.88	15.6	23.5	0.81	0.02	—	49.6
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	3.19	2.91	6.10	0.33	0.01	—	16.6

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.77	2.53	5.29	0.28	0.01	—	14.4
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.09	0.08	0.16	0.01	< 0.005	—	0.45
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.48	0.44	0.92	0.05	< 0.005	—	2.51
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	13.1	13.1	< 0.005	< 0.005	—	13.3
Total	—	—	—	—	—	—	—	—	—	—	—	14.4	34.7	49.1	1.48	0.04	—	96.8

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	251	0.00	251	25.1	0.00	—	879
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	115	0.00	115	11.5	0.00	—	402
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.95	0.00	—	348

Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	4.41	0.00	4.41	0.44	0.00	—	15.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
City Park	—	—	—	—	—	—	—	—	—	—	—	3.23	0.00	3.23	0.32	0.00	—	11.3
Total	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	251	0.00	251	25.1	0.00	—	879
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	115	0.00	115	11.5	0.00	—	402
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.95	0.00	—	348
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	4.41	0.00	4.41	0.44	0.00	—	15.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
City Park	—	—	—	—	—	—	—	—	—	—	—	3.23	0.00	3.23	0.32	0.00	—	11.3
Total	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	41.6	0.00	41.6	4.16	0.00	—	146
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.0	0.00	19.0	1.90	0.00	—	66.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.5	0.00	16.5	1.65	0.00	—	57.7
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.56
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.14	0.00	5.14	0.51	0.00	—	18.0
City Park	—	—	—	—	—	—	—	—	—	—	—	0.53	0.00	0.53	0.05	0.00	—	1.87
Total	—	—	—	—	—	—	—	—	—	—	—	83.5	0.00	83.5	8.35	0.00	—	292

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	251	0.00	251	25.1	0.00	—	879

Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	115	0.00	115	11.5	0.00	—	402
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.95	0.00	—	348
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	4.41	0.00	4.41	0.44	0.00	—	15.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
City Park	—	—	—	—	—	—	—	—	—	—	—	3.23	0.00	3.23	0.32	0.00	—	11.3
Total	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	251	0.00	251	25.1	0.00	—	879
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	115	0.00	115	11.5	0.00	—	402
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.95	0.00	—	348
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	4.41	0.00	4.41	0.44	0.00	—	15.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
City Park	—	—	—	—	—	—	—	—	—	—	—	3.23	0.00	3.23	0.32	0.00	—	11.3
Total	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	41.6	0.00	41.6	4.16	0.00	—	146
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.0	0.00	19.0	1.90	0.00	—	66.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.5	0.00	16.5	1.65	0.00	—	57.7
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.56
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.14	0.00	5.14	0.51	0.00	—	18.0
City Park	—	—	—	—	—	—	—	—	—	—	—	0.53	0.00	0.53	0.05	0.00	—	1.87
Total	—	—	—	—	—	—	—	—	—	—	—	83.5	0.00	83.5	8.35	0.00	—	292

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.94	9.94
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.82	7.82
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.94	9.94
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.82	7.82
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.65	1.65
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.29	1.29
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.59	3.59

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.94	9.94
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.82	7.82
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.94	9.94
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19

Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.82	7.82
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.65	1.65
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.29	1.29
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.59	3.59

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)

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—	190
Total	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—	190

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-23.5	-23.5	—	—	—	-23.5
Red maple(Acer rubrum)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-36.1	-36.1	—	—	—	-36.1
Freeman maple(Acer x freemanii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-11.8	-11.8	—	—	—	-11.8
Strawberry tree(Arbutus unedo)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-15.1	-15.1	—	—	—	-15.1

European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.44	-6.44	—	—	—	-6.44
White ash(Fraxinus americana)	—	-0.03	> -0.005	—	-0.01	-0.04	-0.04	-0.08	-0.01	-0.01	-0.02	—	-51.6	-51.6	—	—	—	-51.6
Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-6.39	-6.39	—	—	—	-6.39
Tulip tree(Liriodendron tulipifera)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-14.0	-14.0	—	—	—	-14.0
Southern magnolia(Magnolia grandiflora)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-30.4	-30.4	—	—	—	-30.4
Pinyon pine(Pinus edulis)	—	-0.01	> -0.005	—	-0.01	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-22.0	-22.0	—	—	—	-22.0
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.99	-6.99	—	—	—	-6.99
Scarlet oak(Quercus coccinea)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-10.2	-10.2	—	—	—	-10.2
Holly oak(Quercus ilex)	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-22.8	-22.8	—	—	—	-22.8
Oak spp(Quercus)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-7.64	-7.64	—	—	—	-7.64
Willow oak(Quercus phellos)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.05	-0.01	-0.01	-0.01	—	-32.4	-32.4	—	—	—	-32.4

Shumard oak(Quercus shumardii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-16.6	-16.6	—	—	—	-16.6
Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.13	-4.13	—	—	—	-4.13
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.85	-4.85	—	—	—	-4.85
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.58	-1.58	—	—	—	-1.58
Littleleaf linden(Tilia cordata)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-11.4	-11.4	—	—	—	-11.4
Chitalpa (x Chitalpa tashkentensis)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-13.8	-13.8	—	—	—	-13.8
Subtotal	—	-0.23	-0.03	—	-0.09	-0.27	-0.27	-0.53	-0.07	-0.07	-0.14	—	-350	-350	—	—	—	-350
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-89.6	-89.6	—	—	—	-89.6
Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-166	-166	—	—	—	-166
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-39.2	-39.2	—	—	—	-39.2

Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-11.9	-11.9	—	—	—	-11.9
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-15.3	-15.3	—	—	—	-15.3
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-126	-126	—	—	—	-126
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-33.5	-33.5	—	—	—	-33.5
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-42.3	-42.3	—	—	—	-42.3
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-69.4	-69.4	—	—	—	-69.4
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-14.2	-14.2	—	—	—	-14.2
London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-15.7	-15.7	—	—	—	-15.7
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-47.4	-47.4	—	—	—	-47.4
Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-52.2	-52.2	—	—	—	-52.2

Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-19.5	-19.5	—	—	—	-19.5
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-134	-134	—	—	—	-134
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-37.2	-37.2	—	—	—	-37.2
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-4.58	-4.58	—	—	—	-4.58
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-6.23	-6.23	—	—	—	-6.23
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-7.81	-7.81	—	—	—	-7.81
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-53.3	-53.3	—	—	—	-53.3
Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-27.9	-27.9	—	—	—	-27.9
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-1,013	-1,013	—	—	—	-1,013
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Red maple(Acer rubrum)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Tulip tree(Liriodendron tulipifera)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

London planetree(Platanus x hybrida)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Littleleaf linden(Tilia cordata)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.21	—	-0.15	-0.03	-0.03	-0.07	-0.01	-0.01	-0.02	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-1,363	-1,363	—	—	—	-1,363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-23.5	-23.5	—	—	—	-23.5
Red maple(Acer rubrum)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-36.1	-36.1	—	—	—	-36.1
Freeman maple(Acer x freemanii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-11.8	-11.8	—	—	—	-11.8
Strawberry tree(Arbutus unedo)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-15.1	-15.1	—	—	—	-15.1
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.44	-6.44	—	—	—	-6.44
White ash(Fraxinus americana)	—	-0.03	> -0.005	—	-0.01	-0.04	-0.04	-0.08	-0.01	-0.01	-0.02	—	-51.6	-51.6	—	—	—	-51.6

Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-6.39	-6.39	—	—	—	-6.39
Tulip tree(Liriodendron tulipifera)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-14.0	-14.0	—	—	—	-14.0
Southern magnolia(Magnolia grandiflora)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-30.4	-30.4	—	—	—	-30.4
Pinyon pine(Pinus edulis)	—	-0.01	> -0.005	—	-0.01	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-22.0	-22.0	—	—	—	-22.0
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.99	-6.99	—	—	—	-6.99
Scarlet oak(Quercus coccinea)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-10.2	-10.2	—	—	—	-10.2
Holly oak(Quercus ilex)	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-22.8	-22.8	—	—	—	-22.8
Oak spp(Quercus)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-7.64	-7.64	—	—	—	-7.64
Willow oak(Quercus phellos)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.05	-0.01	-0.01	-0.01	—	-32.4	-32.4	—	—	—	-32.4
Shumard oak(Quercus shumardii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-16.6	-16.6	—	—	—	-16.6

Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.13	-4.13	—	—	—	-4.13
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.85	-4.85	—	—	—	-4.85
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.58	-1.58	—	—	—	-1.58
Littleleaf linden(Tilia cordata)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-11.4	-11.4	—	—	—	-11.4
Chitalpa (x Chitalpa tashkentensis)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-13.8	-13.8	—	—	—	-13.8
Subtotal	—	-0.23	-0.03	—	-0.09	-0.27	-0.27	-0.53	-0.07	-0.07	-0.14	—	-350	-350	—	—	—	-350
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-89.6	-89.6	—	—	—	-89.6
Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-166	-166	—	—	—	-166
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-39.2	-39.2	—	—	—	-39.2

Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-11.9	-11.9	—	—	—	-11.9
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-15.3	-15.3	—	—	—	-15.3
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-126	-126	—	—	—	-126
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-33.5	-33.5	—	—	—	-33.5
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-42.3	-42.3	—	—	—	-42.3
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-69.4	-69.4	—	—	—	-69.4
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-14.2	-14.2	—	—	—	-14.2
London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-15.7	-15.7	—	—	—	-15.7
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-47.4	-47.4	—	—	—	-47.4

Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-52.2	-52.2	—	—	—	-52.2
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-19.5	-19.5	—	—	—	-19.5
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-134	-134	—	—	—	-134
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-37.2	-37.2	—	—	—	-37.2
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-4.58	-4.58	—	—	—	-4.58
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-6.23	-6.23	—	—	—	-6.23
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-7.81	-7.81	—	—	—	-7.81
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-53.3	-53.3	—	—	—	-53.3
Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-27.9	-27.9	—	—	—	-27.9
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-1,013	-1,013	—	—	—	-1,013
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Norway maple(Acer platanoides)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Tulip tree(Liriodendron tulipifera)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Littleleaf linden(Tilia cordata)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.21	—	-0.15	-0.03	-0.03	-0.07	-0.01	-0.01	-0.02	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-1,363	-1,363	—	—	—	-1,363
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.90	-3.90	—	—	—	-3.90
Red maple(Acer rubrum)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-5.98	-5.98	—	—	—	-5.98
Freeman maple(Acer x freemanii)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.96	-1.96	—	—	—	-1.96
Strawberry tree(Arbutus unedo)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.50	-2.50	—	—	—	-2.50
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.07	-1.07	—	—	—	-1.07
White ash(Fraxinus americana)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-8.54	-8.54	—	—	—	-8.54

Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.06	-1.06	—	—	—	-1.06
Tulip tree(Liriodendron tulipifera)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.32	-2.32	—	—	—	-2.32
Southern magnolia(Magnolia grandiflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.03	-5.03	—	—	—	-5.03
Pinyon pine(Pinus edulis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.64	-3.64	—	—	—	-3.64
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.16	-1.16	—	—	—	-1.16
Scarlet oak(Quercus coccinea)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.69	-1.69	—	—	—	-1.69
Holly oak(Quercus ilex)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.78	-3.78	—	—	—	-3.78
Oak spp(Quercus)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.26	-1.26	—	—	—	-1.26
Willow oak(Quercus phellos)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.37	-5.37	—	—	—	-5.37
Shumard oak(Quercus shumardii)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.74	-2.74	—	—	—	-2.74

Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.68	-0.68	—	—	—	-0.68
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.80	-0.80	—	—	—	-0.80
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.26	-0.26	—	—	—	-0.26
Littleleaf linden(Tilia cordata)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.89	-1.89	—	—	—	-1.89
Chitalpa (x Chitalpa tashkentensis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.28	-2.28	—	—	—	-2.28
Subtotal	—	-0.04	> -0.005	—	-0.02	-0.05	-0.05	-0.10	-0.01	-0.01	-0.03	—	-57.9	-57.9	—	—	—	-57.9
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-14.8	-14.8	—	—	—	-14.8
Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-27.5	-27.5	—	—	—	-27.5
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-6.49	-6.49	—	—	—	-6.49

Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-1.97	-1.97	—	—	—	-1.97
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-2.54	-2.54	—	—	—	-2.54
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-20.8	-20.8	—	—	—	-20.8
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-5.55	-5.55	—	—	—	-5.55
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-7.01	-7.01	—	—	—	-7.01
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-11.5	-11.5	—	—	—	-11.5
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-2.35	-2.35	—	—	—	-2.35
London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-2.59	-2.59	—	—	—	-2.59
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-7.85	-7.85	—	—	—	-7.85

Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-8.64	-8.64	—	—	—	-8.64
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-3.23	-3.23	—	—	—	-3.23
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-22.1	-22.1	—	—	—	-22.1
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-6.16	-6.16	—	—	—	-6.16
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-0.76	-0.76	—	—	—	-0.76
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-1.03	-1.03	—	—	—	-1.03
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-1.29	-1.29	—	—	—	-1.29
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-8.83	-8.83	—	—	—	-8.83
Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-4.62	-4.62	—	—	—	-4.62
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-168	-168	—	—	—	-168
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Norway maple(Acer platanoides)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Tulip tree(Liriodendron tulipifera)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Littleleaf linden(Tilia cordata)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.04	—	-0.03	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.04	-0.04	—	-0.04	-0.05	-0.05	-0.11	-0.01	-0.01	-0.03	—	-226	-226	—	—	—	-226

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—	190
Total	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—	190

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-23.5	-23.5	—	—	—	-23.5
Red maple(Acer rubrum)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-36.1	-36.1	—	—	—	-36.1
Freeman maple(Acer x freemanii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-11.8	-11.8	—	—	—	-11.8

Strawberry tree(Arbunedo)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-15.1	-15.1	—	—	—	-15.1
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.44	-6.44	—	—	—	-6.44
White ash(Fraxinus americana)	—	-0.03	> -0.005	—	-0.01	-0.04	-0.04	-0.08	-0.01	-0.01	-0.02	—	-51.6	-51.6	—	—	—	-51.6
Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-6.39	-6.39	—	—	—	-6.39
Tulip tree(Liriodendron tulipifera)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-14.0	-14.0	—	—	—	-14.0
Southern magnolia(Magnolia grandiflora)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-30.4	-30.4	—	—	—	-30.4
Pinyon pine(Pinus edulis)	—	-0.01	> -0.005	—	-0.01	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-22.0	-22.0	—	—	—	-22.0
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.99	-6.99	—	—	—	-6.99
Scarlet oak(Quercus coccinea)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-10.2	-10.2	—	—	—	-10.2
Holly oak(Quercus ilex)	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-22.8	-22.8	—	—	—	-22.8

Oak spp(Quercus)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-7.64	-7.64	—	—	—	-7.64
Willow oak(Quercus phellos)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.05	-0.01	-0.01	-0.01	—	-32.4	-32.4	—	—	—	-32.4
Shumard oak(Quercus shumardii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-16.6	-16.6	—	—	—	-16.6
Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.13	-4.13	—	—	—	-4.13
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.85	-4.85	—	—	—	-4.85
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.58	-1.58	—	—	—	-1.58
Littleleaf linden(Tilia cordata)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-11.4	-11.4	—	—	—	-11.4
Chitalpa (x Chitalpa tashkentensis)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-13.8	-13.8	—	—	—	-13.8
Subtotal	—	-0.23	-0.03	—	-0.09	-0.27	-0.27	-0.53	-0.07	-0.07	-0.14	—	-350	-350	—	—	—	-350
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-89.6	-89.6	—	—	—	-89.6

Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-166	-166	—	—	—	-166
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-39.2	-39.2	—	—	—	-39.2
Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-11.9	-11.9	—	—	—	-11.9
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-15.3	-15.3	—	—	—	-15.3
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-126	-126	—	—	—	-126
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-33.5	-33.5	—	—	—	-33.5
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-42.3	-42.3	—	—	—	-42.3
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-69.4	-69.4	—	—	—	-69.4
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-14.2	-14.2	—	—	—	-14.2

London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-15.7	-15.7	—	—	—	-15.7
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-47.4	-47.4	—	—	—	-47.4
Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-52.2	-52.2	—	—	—	-52.2
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-19.5	-19.5	—	—	—	-19.5
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-134	-134	—	—	—	-134
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-37.2	-37.2	—	—	—	-37.2
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-4.58	-4.58	—	—	—	-4.58
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-6.23	-6.23	—	—	—	-6.23
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-7.81	-7.81	—	—	—	-7.81
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-53.3	-53.3	—	—	—	-53.3

Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-27.9	-27.9	—	—	—	-27.9
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-1,013	-1,013	—	—	—	-1,013
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Tulip tree(Liriodendron tulipifera)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Littleleaf linden(Tilia cordata)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.21	—	-0.15	-0.03	-0.03	-0.07	-0.01	-0.01	-0.02	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-1,363	-1,363	—	—	—	-1,363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-23.5	-23.5	—	—	—	-23.5
Red maple(Acer rubrum)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-36.1	-36.1	—	—	—	-36.1
Freeman maple(Acer x freemanii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-11.8	-11.8	—	—	—	-11.8

Strawberry tree(Arbunedo)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-15.1	-15.1	—	—	—	-15.1
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.44	-6.44	—	—	—	-6.44
White ash(Fraxinus americana)	—	-0.03	> -0.005	—	-0.01	-0.04	-0.04	-0.08	-0.01	-0.01	-0.02	—	-51.6	-51.6	—	—	—	-51.6
Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-6.39	-6.39	—	—	—	-6.39
Tulip tree(Liriodendron tulipifera)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-14.0	-14.0	—	—	—	-14.0
Southern magnolia(Magnolia grandiflora)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-30.4	-30.4	—	—	—	-30.4
Pinyon pine(Pinus edulis)	—	-0.01	> -0.005	—	-0.01	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-22.0	-22.0	—	—	—	-22.0
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.99	-6.99	—	—	—	-6.99
Scarlet oak(Quercus coccinea)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-10.2	-10.2	—	—	—	-10.2
Holly oak(Quercus ilex)	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-22.8	-22.8	—	—	—	-22.8

Oak spp(Quercus)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-7.64	-7.64	—	—	—	-7.64
Willow oak(Quercus phellos)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.05	-0.01	-0.01	-0.01	—	-32.4	-32.4	—	—	—	-32.4
Shumard oak(Quercus shumardii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-16.6	-16.6	—	—	—	-16.6
Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.13	-4.13	—	—	—	-4.13
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.85	-4.85	—	—	—	-4.85
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.58	-1.58	—	—	—	-1.58
Littleleaf linden(Tilia cordata)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-11.4	-11.4	—	—	—	-11.4
Chitalpa (x Chitalpa tashkentensis)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-13.8	-13.8	—	—	—	-13.8
Subtotal	—	-0.23	-0.03	—	-0.09	-0.27	-0.27	-0.53	-0.07	-0.07	-0.14	—	-350	-350	—	—	—	-350
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-89.6	-89.6	—	—	—	-89.6

Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-166	-166	—	—	—	-166
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-39.2	-39.2	—	—	—	-39.2
Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-11.9	-11.9	—	—	—	-11.9
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-15.3	-15.3	—	—	—	-15.3
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-126	-126	—	—	—	-126
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-33.5	-33.5	—	—	—	-33.5
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-42.3	-42.3	—	—	—	-42.3
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-69.4	-69.4	—	—	—	-69.4
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-14.2	-14.2	—	—	—	-14.2

London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-15.7	-15.7	—	—	—	-15.7
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-47.4	-47.4	—	—	—	-47.4
Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-52.2	-52.2	—	—	—	-52.2
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-19.5	-19.5	—	—	—	-19.5
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-134	-134	—	—	—	-134
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-37.2	-37.2	—	—	—	-37.2
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-4.58	-4.58	—	—	—	-4.58
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-6.23	-6.23	—	—	—	-6.23
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-7.81	-7.81	—	—	—	-7.81
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-53.3	-53.3	—	—	—	-53.3

Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-27.9	-27.9	—	—	—	-27.9
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-1,013	-1,013	—	—	—	-1,013
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Tulip tree(Liriodendron tulipifera)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Littleleaf linden(Tilia cordata)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.21	—	-0.15	-0.03	-0.03	-0.07	-0.01	-0.01	-0.02	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-1,363	-1,363	—	—	—	-1,363
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.90	-3.90	—	—	—	-3.90
Red maple(Acer rubrum)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-5.98	-5.98	—	—	—	-5.98
Freeman maple(Acer x freemanii)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.96	-1.96	—	—	—	-1.96

Strawberry tree(Arbutus unedo)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.50	-2.50	—	—	—	-2.50
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.07	-1.07	—	—	—	-1.07
White ash(Fraxinus americana)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-8.54	-8.54	—	—	—	-8.54
Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.06	-1.06	—	—	—	-1.06
Tulip tree(Liriodendron tulipifera)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.32	-2.32	—	—	—	-2.32
Southern magnolia(Magnolia grandiflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.03	-5.03	—	—	—	-5.03
Pinyon pine(Pinus edulis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.64	-3.64	—	—	—	-3.64
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.16	-1.16	—	—	—	-1.16
Scarlet oak(Quercus coccinea)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.69	-1.69	—	—	—	-1.69

Holly oak(Quercus ilex)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.78	-3.78	—	—	—	-3.78
Oak spp(Quercus)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.26	-1.26	—	—	—	-1.26
Willow oak(Quercus phellos)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.37	-5.37	—	—	—	-5.37
Shumard oak(Quercus shumardii)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.74	-2.74	—	—	—	-2.74
Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.68	-0.68	—	—	—	-0.68
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.80	-0.80	—	—	—	-0.80
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.26	-0.26	—	—	—	-0.26
Littleleaf linden(Tilia cordata)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.89	-1.89	—	—	—	-1.89
Chitalpa (x Chitalpa tashkentensis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.28	-2.28	—	—	—	-2.28
Subtotal	—	-0.04	> -0.005	—	-0.02	-0.05	-0.05	-0.10	-0.01	-0.01	-0.03	—	-57.9	-57.9	—	—	—	-57.9
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-14.8	-14.8	—	—	—	-14.8
Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-27.5	-27.5	—	—	—	-27.5
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-6.49	-6.49	—	—	—	-6.49
Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-1.97	-1.97	—	—	—	-1.97
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-2.54	-2.54	—	—	—	-2.54
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-20.8	-20.8	—	—	—	-20.8
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-5.55	-5.55	—	—	—	-5.55
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-7.01	-7.01	—	—	—	-7.01
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-11.5	-11.5	—	—	—	-11.5

Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-2.35	-2.35	—	—	—	-2.35
London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-2.59	-2.59	—	—	—	-2.59
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-7.85	-7.85	—	—	—	-7.85
Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-8.64	-8.64	—	—	—	-8.64
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-3.23	-3.23	—	—	—	-3.23
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-22.1	-22.1	—	—	—	-22.1
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-6.16	-6.16	—	—	—	-6.16
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-0.76	-0.76	—	—	—	-0.76
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-1.03	-1.03	—	—	—	-1.03
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-1.29	-1.29	—	—	—	-1.29

Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-8.83	-8.83	—	—	—	-8.83
Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-4.62	-4.62	—	—	—	-4.62
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-168	-168	—	—	—	-168
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Wilga; australian willow(Geijera parviflora)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Tulip tree(Liriodendron tulipifera)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Littleleaf linden(Tilia cordata)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.04	—	-0.03	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.04	-0.04	—	-0.04	-0.05	-0.05	-0.11	-0.01	-0.01	-0.03	—	-226	-226	—	—	—	-226

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	4/1/2027	5/26/2027	5.00	40.0	—
Grading	Grading	5/27/2027	12/8/2027	5.00	140	—
Building Construction	Building Construction	10/11/2029	4/18/2035	5.00	1,440	—
Paving	Paving	12/9/2027	10/10/2029	5.00	480	—
Architectural Coating	Architectural Coating	10/25/2029	5/2/2035	5.00	1,440	—

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
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	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	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
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
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Back	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 4 Final	3.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	0.38
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	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	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	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
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	27.5	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	648	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	135	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	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	130	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
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	27.5	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	648	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	135	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	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	130	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	3,915,702	1,305,234	31,200	10,400	5,985

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	60.0	0.00	—
Grading	—	400,000	490	0.00	—
Paving	0.00	0.00	0.00	0.00	10.1

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	7.85	0%
Apartments Low Rise	—	0%
Apartments Mid Rise	—	0%
Day-Care Center	0.00	0%
Parking Lot	2.29	100%
Fast Food Restaurant w/o Drive Thru	0.00	0%
City Park	0.00	0%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	204	0.03	< 0.005

2028	0.00	204	0.03	< 0.005
2029	0.00	204	0.03	< 0.005
2030	0.00	204	0.03	< 0.005
2031	0.00	204	0.03	< 0.005
2032	0.00	204	0.03	< 0.005
2033	0.00	204	0.03	< 0.005
2034	0.00	204	0.03	< 0.005
2035	0.00	204	0.03	< 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
Single Family Housing	6,301	6,301	6,301	2,299,938	46,115	46,115	46,115	16,832,085
Apartments Low Rise	1,823	1,823	1,823	665,410	13,342	13,342	13,342	4,869,797
Apartments Mid Rise	1,130	1,130	1,130	412,450	8,270	8,270	8,270	3,018,513
Day-Care Center	282	282	282	102,811	2,263	2,263	2,263	825,837
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	255	255	255	93,203	2,051	2,051	2,051	748,661
City Park	620	620	620	226,397	4,982	4,982	4,982	1,818,558
City Park	0.00	0.00	0.00	0.00	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

Single Family Housing	6,301	6,301	6,301	2,299,938	46,115	46,115	46,115	16,832,085
Apartments Low Rise	1,823	1,823	1,823	665,410	13,342	13,342	13,342	4,869,797
Apartments Mid Rise	1,130	1,130	1,130	412,450	8,270	8,270	8,270	3,018,513
Day-Care Center	282	282	282	102,811	2,263	2,263	2,263	825,837
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	255	255	255	93,203	2,051	2,051	2,051	748,661
City Park	620	620	620	226,397	4,982	4,982	4,982	1,818,558
City Park	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

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	712
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	288
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	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	250
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0

No Fireplaces	712
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	288
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	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	250
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)
3915702	1,305,234	31,200	10,400	5,985

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	6,070,305	204	0.0330	0.0040	0.00
Apartments Low Rise	1,280,122	204	0.0330	0.0040	0.00
Apartments Mid Rise	1,129,453	204	0.0330	0.0040	0.00
Day-Care Center	28,874	204	0.0330	0.0040	272,212
Parking Lot	87,383	204	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	200,768	204	0.0330	0.0040	609,254
City Park	0.00	204	0.0330	0.0040	0.00
City Park	0.00	204	0.0330	0.0040	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)
Single Family Housing	4,229,880	204	0.0330	0.0040	0.00
Apartments Low Rise	0.00	204	0.0330	0.0040	0.00
Apartments Mid Rise	0.00	204	0.0330	0.0040	0.00
Day-Care Center	28,874	204	0.0330	0.0040	272,212
Parking Lot	87,383	204	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	200,768	204	0.0330	0.0040	609,254
City Park	0.00	204	0.0330	0.0040	0.00
City Park	0.00	204	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)
Single Family Housing	24,835,432	56,321,355
Apartments Low Rise	10,045,793	0.00
Apartments Mid Rise	8,720,306	0.00
Day-Care Center	270,204	0.00
Parking Lot	0.00	0.00
Fast Food Restaurant w/o Drive Thru	1,517,669	0.00
City Park	0.00	24,564,445
City Park	0.00	63,489,643

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Single Family Housing	24,835,432	56,321,355
Apartments Low Rise	10,045,793	0.00
Apartments Mid Rise	8,720,306	0.00
Day-Care Center	270,204	0.00
Parking Lot	0.00	0.00
Fast Food Restaurant w/o Drive Thru	1,517,669	0.00
City Park	0.00	24,564,445
City Park	0.00	63,489,643

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	466	—
Apartments Low Rise	213	—
Apartments Mid Rise	185	—
Day-Care Center	8.19	—
Parking Lot	0.00	—
Fast Food Restaurant w/o Drive Thru	57.6	—
City Park	1.65	—
City Park	4.33	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	466	—
Apartments Low Rise	213	—
Apartments Mid Rise	185	—
Day-Care Center	8.19	—

Parking Lot	0.00	—
Fast Food Restaurant w/o Drive Thru	57.6	—
City Park	1.65	—
City Park	4.33	—

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
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Low 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 Low Rise	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
Day-Care Center	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Day-Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Day-Care Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00

Day-Care Center	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Low 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 Low Rise	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
Day-Care Center	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Day-Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Day-Care Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Day-Care Center	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	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

5.15.2. Mitigated

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

5.16.2. Process Boilers

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

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
Cropland	Inceptisols	232	0.00

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
Cropland	Inceptisols	232	0.00

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

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)
Norway maple(Acer platanoides)	185	573,759	691
Red maple(Acer rubrum)	226	880,283	1,062
Freeman maple(Acer x freemanii)	77.0	288,237	348
Strawberry tree(Arbutus unedo)	79.0	306,104	773
European hornbeam(Carpinus betulus)	91.0	156,483	191
White ash(Fraxinus americana)	323	1,256,677	1,518
Wilga; australian willow(Geijera parviflora)	125	150,236	218
Tulip tree(Liriodendron tulipifera)	76.0	341,388	413
Southern magnolia(Magnolia grandiflora)	70.0	222,621	568
Southern magnolia(Magnolia grandiflora)	123	391,177	998
Pinyon pine(Pinus edulis)	123	446,166	1,122
London planetree(Platanus x hybrida)	64.0	170,177	206
Scarlet oak(Quercus coccinea)	64.0	248,497	301

Holly oak(Quercus ilex)	113	460,648	1,183
Oak spp(Quercus)	53.0	186,170	225
Willow oak(Quercus phellos)	221	789,333	955
Shumard oak(Quercus shumardii)	115	403,955	487
Cork oak(Quercus suber)	23.0	83,562	212
Interior live oak(Quercus wislizeni)	27.0	98,095	249
Weeping willow(Salix x sepulcralis)	12.0	38,541	46.5
Littleleaf linden(Tilia cordata)	183	276,712	339
Chitalpa(x Chitalpa tashkentensis)	122	335,933	404

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Norway maple(Acer platanoides)	185	573,759	691
Red maple(Acer rubrum)	226	880,283	1,062
Freeman maple(Acer x freemanii)	77.0	288,237	348
Strawberry tree(Arbutus unedo)	79.0	306,104	773
European hornbeam(Carpinus betulus)	91.0	156,483	191
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Tulip tree(Liriodendron tulipifera)	76.0	341,388	413
Southern magnolia(Magnolia grandiflora)	70.0	222,621	568
Southern magnolia(Magnolia grandiflora)	123	391,177	998
Pinyon pine(Pinus edulis)	123	446,166	1,122
London planetree(Platanus x hybrida)	64.0	170,177	206
Scarlet oak(Quercus coccinea)	64.0	248,497	301
Holly oak(Quercus ilex)	113	460,648	1,183
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Shumard oak(Quercus shumardii)	115	403,955	487
Cork oak(Quercus suber)	23.0	83,562	212
Interior live oak(Quercus wislizeni)	27.0	98,095	249
Weeping willow(Salix x sepulcralis)	12.0	38,541	46.5
Littleleaf linden(Tilia cordata)	183	276,712	339
Chitalpa(x Chitalpa tashkentensis)	122	335,933	404

8. User Changes to Default Data

Screen	Justification
Land Use	Building square footage and acreage adjusted to represent project-specific information. To be consistent with the project description, the Single Family Housing was chosen for the low density housing, Apartments Low Rise chosen for medium density, and Apartments Mid Rise for high density. All landscaped square feet associated with the project was added to the Single Family Housing land use. Additionally, the Street, Alley, and Landscape Corridor acres were accounted for in the lot acreage of the Single Family Housing. The retail land use currently listed within the project description is a coffee shop/cafe, therefore the Fast Food Restaurant w/o Drive Thru was chosen. The 19.5 acre City Park is representative of Recreational Community Center (9,500 building sf), Softball/Multi-Use Fields, and Pickleball Courts, while the 51.7 acre City Park is representative of the Urban Agricultural Transition Area and the Neighborhood Greenbelt.
Construction: Construction Phases	Based on typical construction practices, architectural coating assumed to start two weeks after the start of building construction and last for the same number of days. Demolition not required for the proposed project. The phase timing for the project is based on the project specific construction schedule provided by the applicant.
Operations: Road Dust	All roads within the project scale are paved.
Construction: Off-Road Equipment	Equipment added to grading phase to account for on-site soil movement.
Construction: On-Road Fugitive Dust	All roads in project vicinity are paved.
Construction: Trips and VMT	Soil movement during grading would occur on-site only. Thus, hauling trips have been adjusted for the grading phase to account for only on-site soil movement.
Operations: Vehicle Data	Trip rates and VMT adjusted to be consistent with traffic report prepared for the proposed project.
Operations: Energy Use	The project would utilize all electric homes, thus natural gas was zeroed out for residential land uses.

Willowgrove - Mitigated (No-VOC Coatings) Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Willowgrove - Mitigated (No-VOC Coatings)
Construction Start Date	4/1/2027
Operational Year	2035
Lead Agency	City of Davis
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.60
Precipitation (days)	18.2
Location	38.569337703096465, -121.70844952240817
County	Yolo
City	Unincorporated
Air District	Yolo/Solano AQMD
Air Basin	Sacramento Valley
TAZ	317
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.30

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	712	Dwelling Unit	91.2	1,388,400	3,541,000	—	1,972	—

Apartments Low Rise	288	Dwelling Unit	52.6	305,280	0.00	—	798	—
Apartments Mid Rise	250	Dwelling Unit	14.9	240,000	0.00	—	692	—
Day-Care Center	6.30	1000sqft	0.14	6,300	0.00	—	—	—
Parking Lot	215	Space	2.29	0.00	0.00	—	—	—
Fast Food Restaurant w/o Drive Thru	5.00	1000sqft	1.50	5,000	0.00	—	—	—
City Park	19.2	Acre	19.2	0.00	849,420	849,420	—	—
City Park	50.4	Acre	50.4	0.00	2,195,424	2,195,424	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-10-B	Establish Onsite Renewable Energy Systems: Solar Power

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.8	14.2	34.9	50.3	0.08	1.43	19.8	21.0	1.32	10.1	11.2	—	13,893	13,893	0.34	0.59	25.9	14,103
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.7	14.1	35.0	43.0	0.08	1.43	16.3	17.7	1.32	7.12	8.44	—	13,251	13,251	0.36	0.85	0.76	13,515

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.4	9.96	16.8	30.0	0.04	0.69	8.42	9.11	0.64	3.84	4.48	—	9,438	9,438	0.23	0.60	7.98	9,630
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.90	1.82	3.06	5.48	0.01	0.13	1.54	1.66	0.12	0.70	0.82	—	1,563	1,563	0.04	0.10	1.32	1,594

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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.85	4.09	34.9	36.9	0.08	1.43	19.8	21.0	1.32	10.1	11.2	—	8,480	8,480	0.34	0.08	0.99	8,512
2028	0.89	0.75	6.66	10.7	0.01	0.26	0.15	0.41	0.24	0.04	0.27	—	1,671	1,671	0.06	0.02	0.49	1,679
2029	0.87	0.73	6.49	10.6	0.01	0.24	0.15	0.39	0.22	0.04	0.26	—	1,668	1,668	0.06	0.01	0.44	1,674
2030	14.8	14.2	14.5	50.3	0.05	0.30	8.86	9.16	0.28	2.12	2.39	—	13,893	13,893	0.31	0.59	25.9	14,103
2031	14.6	14.1	14.0	48.2	0.05	0.28	8.86	9.14	0.26	2.12	2.38	—	13,661	13,661	0.31	0.57	22.8	13,860
2032	14.3	13.9	13.6	46.6	0.05	0.26	8.86	9.12	0.24	2.12	2.36	—	13,442	13,442	0.26	0.54	20.0	13,630
2033	14.2	13.8	13.0	45.1	0.05	0.24	8.86	9.10	0.22	2.12	2.34	—	13,236	13,236	0.26	0.54	17.4	13,421
2034	14.0	13.7	12.7	43.7	0.05	0.22	8.86	9.09	0.21	2.12	2.33	—	13,043	13,043	0.26	0.51	15.1	13,218
2035	14.0	13.7	12.4	42.4	0.05	0.21	8.86	9.07	0.20	2.12	2.32	—	12,864	12,864	0.24	0.51	12.9	13,036
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.84	4.07	35.0	36.5	0.08	1.43	16.3	17.7	1.32	7.12	8.44	—	8,447	8,447	0.34	0.08	0.03	8,479
2028	0.88	0.74	6.67	10.5	0.01	0.26	0.15	0.41	0.24	0.04	0.27	—	1,654	1,654	0.06	0.02	0.01	1,661
2029	14.7	14.1	16.0	43.0	0.05	0.31	8.86	9.18	0.29	2.12	2.41	—	13,251	13,251	0.36	0.85	0.76	13,515
2030	14.6	14.0	15.3	41.3	0.05	0.30	8.86	9.16	0.28	2.12	2.39	—	13,032	13,032	0.34	0.85	0.67	13,296
2031	14.2	13.9	14.6	39.8	0.05	0.28	8.86	9.14	0.26	2.12	2.38	—	12,815	12,815	0.34	0.81	0.59	13,066

2032	14.1	13.7	14.2	38.6	0.05	0.26	8.86	9.12	0.24	2.12	2.36	—	12,609	12,609	0.30	0.79	0.52	12,851
2033	14.0	13.7	13.6	37.5	0.05	0.24	8.86	9.10	0.22	2.12	2.34	—	12,415	12,415	0.30	0.54	0.45	12,583
2034	13.9	13.6	13.3	36.4	0.05	0.22	8.86	9.09	0.21	2.12	2.33	—	12,232	12,232	0.30	0.51	0.39	12,393
2035	13.8	13.5	13.0	35.2	0.05	0.21	8.86	9.07	0.20	2.12	2.32	—	12,062	12,062	0.28	0.51	0.34	12,223
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.30	1.94	16.8	17.7	0.04	0.69	8.42	9.11	0.64	3.84	4.48	—	3,917	3,917	0.16	0.04	0.20	3,932
2028	0.63	0.53	4.77	7.51	0.01	0.18	0.11	0.29	0.17	0.03	0.19	—	1,187	1,187	0.05	0.01	0.15	1,192
2029	2.53	2.36	6.06	12.6	0.02	0.18	1.45	1.64	0.17	0.35	0.52	—	3,035	3,035	0.09	0.14	2.08	3,081
2030	10.4	9.96	10.7	30.0	0.04	0.21	6.26	6.47	0.20	1.50	1.69	—	9,438	9,438	0.23	0.60	7.98	9,630
2031	10.1	9.89	10.3	28.8	0.04	0.20	6.26	6.46	0.18	1.50	1.68	—	9,280	9,280	0.23	0.40	7.04	9,414
2032	10.1	9.83	9.89	27.9	0.04	0.19	6.27	6.46	0.17	1.50	1.67	—	9,156	9,156	0.20	0.39	6.19	9,283
2033	9.99	9.76	9.61	27.1	0.04	0.17	6.26	6.43	0.16	1.50	1.65	—	8,991	8,991	0.20	0.39	5.38	9,116
2034	9.90	9.69	9.40	26.3	0.04	0.16	6.26	6.42	0.15	1.50	1.64	—	8,859	8,859	0.20	0.37	4.66	8,978
2035	3.22	3.16	2.69	7.69	0.01	0.04	1.89	1.93	0.04	0.45	0.49	—	2,620	2,620	0.06	0.11	1.20	2,655
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.42	0.35	3.06	3.22	0.01	0.13	1.54	1.66	0.12	0.70	0.82	—	649	649	0.03	0.01	0.03	651
2028	0.12	0.10	0.87	1.37	< 0.005	0.03	0.02	0.05	0.03	< 0.005	0.04	—	197	197	0.01	< 0.005	0.02	197
2029	0.46	0.43	1.11	2.30	< 0.005	0.03	0.27	0.30	0.03	0.06	0.09	—	502	502	0.01	0.02	0.34	510
2030	1.90	1.82	1.95	5.48	0.01	0.04	1.14	1.18	0.04	0.27	0.31	—	1,563	1,563	0.04	0.10	1.32	1,594
2031	1.85	1.81	1.89	5.26	0.01	0.04	1.14	1.18	0.03	0.27	0.31	—	1,536	1,536	0.04	0.07	1.16	1,559
2032	1.84	1.79	1.81	5.10	0.01	0.03	1.15	1.18	0.03	0.27	0.31	—	1,516	1,516	0.03	0.06	1.02	1,537
2033	1.82	1.78	1.75	4.94	0.01	0.03	1.14	1.17	0.03	0.27	0.30	—	1,489	1,489	0.03	0.06	0.89	1,509
2034	1.81	1.77	1.72	4.81	0.01	0.03	1.14	1.17	0.03	0.27	0.30	—	1,467	1,467	0.03	0.06	0.77	1,486
2035	0.59	0.58	0.49	1.40	< 0.005	0.01	0.34	0.35	0.01	0.08	0.09	—	434	434	0.01	0.02	0.20	440

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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.85	4.09	34.9	36.9	0.08	1.43	19.8	21.0	1.32	10.1	11.2	—	8,480	8,480	0.34	0.08	0.99	8,512
2028	0.89	0.75	6.66	10.7	0.01	0.26	0.15	0.41	0.24	0.04	0.27	—	1,671	1,671	0.06	0.02	0.49	1,679
2029	0.87	0.73	6.49	10.6	0.01	0.24	0.15	0.39	0.22	0.04	0.26	—	1,668	1,668	0.06	0.01	0.44	1,674
2030	14.8	14.2	14.5	50.3	0.05	0.30	8.86	9.16	0.28	2.12	2.39	—	13,893	13,893	0.31	0.59	25.9	14,103
2031	14.6	14.1	14.0	48.2	0.05	0.28	8.86	9.14	0.26	2.12	2.38	—	13,661	13,661	0.31	0.57	22.8	13,860
2032	14.3	13.9	13.6	46.6	0.05	0.26	8.86	9.12	0.24	2.12	2.36	—	13,442	13,442	0.26	0.54	20.0	13,630
2033	14.2	13.8	13.0	45.1	0.05	0.24	8.86	9.10	0.22	2.12	2.34	—	13,236	13,236	0.26	0.54	17.4	13,421
2034	14.0	13.7	12.7	43.7	0.05	0.22	8.86	9.09	0.21	2.12	2.33	—	13,043	13,043	0.26	0.51	15.1	13,218
2035	14.0	13.7	12.4	42.4	0.05	0.21	8.86	9.07	0.20	2.12	2.32	—	12,864	12,864	0.24	0.51	12.9	13,036
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	4.84	4.07	35.0	36.5	0.08	1.43	16.3	17.7	1.32	7.12	8.44	—	8,447	8,447	0.34	0.08	0.03	8,479
2028	0.88	0.74	6.67	10.5	0.01	0.26	0.15	0.41	0.24	0.04	0.27	—	1,654	1,654	0.06	0.02	0.01	1,661
2029	14.7	14.1	16.0	43.0	0.05	0.31	8.86	9.18	0.29	2.12	2.41	—	13,251	13,251	0.36	0.85	0.76	13,515
2030	14.6	14.0	15.3	41.3	0.05	0.30	8.86	9.16	0.28	2.12	2.39	—	13,032	13,032	0.34	0.85	0.67	13,296
2031	14.2	13.9	14.6	39.8	0.05	0.28	8.86	9.14	0.26	2.12	2.38	—	12,815	12,815	0.34	0.81	0.59	13,066
2032	14.1	13.7	14.2	38.6	0.05	0.26	8.86	9.12	0.24	2.12	2.36	—	12,609	12,609	0.30	0.79	0.52	12,851
2033	14.0	13.7	13.6	37.5	0.05	0.24	8.86	9.10	0.22	2.12	2.34	—	12,415	12,415	0.30	0.54	0.45	12,583
2034	13.9	13.6	13.3	36.4	0.05	0.22	8.86	9.09	0.21	2.12	2.33	—	12,232	12,232	0.30	0.51	0.39	12,393
2035	13.8	13.5	13.0	35.2	0.05	0.21	8.86	9.07	0.20	2.12	2.32	—	12,062	12,062	0.28	0.51	0.34	12,223
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	2.30	1.94	16.8	17.7	0.04	0.69	8.42	9.11	0.64	3.84	4.48	—	3,917	3,917	0.16	0.04	0.20	3,932
2028	0.63	0.53	4.77	7.51	0.01	0.18	0.11	0.29	0.17	0.03	0.19	—	1,187	1,187	0.05	0.01	0.15	1,192
2029	2.53	2.36	6.06	12.6	0.02	0.18	1.45	1.64	0.17	0.35	0.52	—	3,035	3,035	0.09	0.14	2.08	3,081

2030	10.4	9.96	10.7	30.0	0.04	0.21	6.26	6.47	0.20	1.50	1.69	—	9,438	9,438	0.23	0.60	7.98	9,630
2031	10.1	9.89	10.3	28.8	0.04	0.20	6.26	6.46	0.18	1.50	1.68	—	9,280	9,280	0.23	0.40	7.04	9,414
2032	10.1	9.83	9.89	27.9	0.04	0.19	6.27	6.46	0.17	1.50	1.67	—	9,156	9,156	0.20	0.39	6.19	9,283
2033	9.99	9.76	9.61	27.1	0.04	0.17	6.26	6.43	0.16	1.50	1.65	—	8,991	8,991	0.20	0.39	5.38	9,116
2034	9.90	9.69	9.40	26.3	0.04	0.16	6.26	6.42	0.15	1.50	1.64	—	8,859	8,859	0.20	0.37	4.66	8,978
2035	3.22	3.16	2.69	7.69	0.01	0.04	1.89	1.93	0.04	0.45	0.49	—	2,620	2,620	0.06	0.11	1.20	2,655
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.42	0.35	3.06	3.22	0.01	0.13	1.54	1.66	0.12	0.70	0.82	—	649	649	0.03	0.01	0.03	651
2028	0.12	0.10	0.87	1.37	< 0.005	0.03	0.02	0.05	0.03	< 0.005	0.04	—	197	197	0.01	< 0.005	0.02	197
2029	0.46	0.43	1.11	2.30	< 0.005	0.03	0.27	0.30	0.03	0.06	0.09	—	502	502	0.01	0.02	0.34	510
2030	1.90	1.82	1.95	5.48	0.01	0.04	1.14	1.18	0.04	0.27	0.31	—	1,563	1,563	0.04	0.10	1.32	1,594
2031	1.85	1.81	1.89	5.26	0.01	0.04	1.14	1.18	0.03	0.27	0.31	—	1,536	1,536	0.04	0.07	1.16	1,559
2032	1.84	1.79	1.81	5.10	0.01	0.03	1.15	1.18	0.03	0.27	0.31	—	1,516	1,516	0.03	0.06	1.02	1,537
2033	1.82	1.78	1.75	4.94	0.01	0.03	1.14	1.17	0.03	0.27	0.30	—	1,489	1,489	0.03	0.06	0.89	1,509
2034	1.81	1.77	1.72	4.81	0.01	0.03	1.14	1.17	0.03	0.27	0.30	—	1,467	1,467	0.03	0.06	0.77	1,486
2035	0.59	0.58	0.49	1.40	< 0.005	0.01	0.34	0.35	0.01	0.08	0.09	—	434	434	0.01	0.02	0.20	440

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.	84.1	81.2	22.8	308	0.35	0.10	54.5	54.6	0.29	13.8	14.1	591	64,627	65,219	62.6	3.07	97.5	67,794
Mit.	84.1	81.2	22.8	308	0.35	0.10	54.5	54.6	0.29	13.8	14.1	591	62,252	62,843	62.2	3.02	97.5	65,396
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	1%	2%	—	4%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	75.1	72.3	25.9	209	0.30	0.07	54.5	54.5	0.26	13.8	14.1	591	59,782	60,373	62.9	3.29	23.7	62,951
Mit.	75.1	72.3	25.9	209	0.30	0.07	54.5	54.5	0.26	13.8	14.1	591	57,407	57,998	62.5	3.25	23.7	60,552
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	1%	1%	—	4%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	78.3	75.4	24.5	239	0.31	0.08	53.8	53.9	0.28	13.7	14.0	591	60,850	61,442	62.7	3.18	54.4	64,010
Mit.	78.3	75.4	24.5	239	0.31	0.08	53.8	53.9	0.28	13.7	14.0	591	58,475	59,067	62.3	3.13	54.4	61,612
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	1%	1%	—	4%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.3	13.8	4.47	43.7	0.06	0.02	9.83	9.84	0.05	2.50	2.55	97.9	10,074	10,172	10.4	0.53	9.01	10,598
Mit.	14.3	13.8	4.47	43.7	0.06	0.02	9.83	9.84	0.05	2.50	2.55	97.9	9,681	9,779	10.3	0.52	9.01	10,201
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	4%	4%	1%	1%	—	4%

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	34.0	31.6	22.2	236	0.58	0.35	54.8	55.1	0.33	13.9	14.3	—	59,241	59,241	2.38	2.75	75.8	60,197
Area	50.1	49.8	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	192	192	0.01	< 0.005	—	192
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	5,199	5,199	0.82	0.10	—	5,248
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7

Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	84.1	81.2	22.8	308	0.35	0.10	54.5	54.6	0.29	13.8	14.1	591	64,627	65,219	62.6	3.07	97.5	67,794
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.5	29.0	25.9	209	0.53	0.35	54.8	55.1	0.33	13.9	14.3	—	54,588	54,588	2.70	2.98	1.97	55,546
Area	43.6	43.6	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
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	5,199	5,199	0.82	0.10	—	5,248
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	75.1	72.3	25.9	209	0.30	0.07	54.5	54.5	0.26	13.8	14.1	591	59,782	60,373	62.9	3.29	23.7	62,951
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.4	29.0	24.2	204	0.54	0.35	54.1	54.5	0.33	13.8	14.1	—	55,562	55,562	2.52	2.86	32.7	56,510
Area	46.8	46.6	0.32	35.4	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	94.5	94.5	< 0.005	< 0.005	—	94.8
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	5,199	5,199	0.82	0.10	—	5,248
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	78.3	75.4	24.5	239	0.31	0.08	53.8	53.9	0.28	13.7	14.0	591	60,850	61,442	62.7	3.18	54.4	64,010
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.74	5.30	4.41	37.2	0.10	0.06	9.88	9.94	0.06	2.51	2.57	—	9,199	9,199	0.42	0.47	5.42	9,356
Area	8.54	8.51	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7
Energy	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	861	861	0.14	0.02	—	869
Water	—	—	—	—	—	—	—	—	—	—	—	14.4	34.7	49.1	1.48	0.04	—	96.8

Waste	—	—	—	—	—	—	—	—	—	—	—	83.5	0.00	83.5	8.35	0.00	—	292
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.59	3.59
Vegetation	—	-0.04	-0.04	—	-0.04	-0.05	-0.05	-0.11	-0.01	-0.01	-0.03	—	-35.4	-35.4	—	—	—	-35.4
Total	14.3	13.8	4.47	43.7	0.06	0.02	9.83	9.84	0.05	2.50	2.55	97.9	10,074	10,172	10.4	0.53	9.01	10,598

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	34.0	31.6	22.2	236	0.58	0.35	54.8	55.1	0.33	13.9	14.3	—	59,241	59,241	2.38	2.75	75.8	60,197
Area	50.1	49.8	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	192	192	0.01	< 0.005	—	192
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	2,824	2,824	0.44	0.05	—	2,849
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	84.1	81.2	22.8	308	0.35	0.10	54.5	54.6	0.29	13.8	14.1	591	62,252	62,843	62.2	3.02	97.5	65,396
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.5	29.0	25.9	209	0.53	0.35	54.8	55.1	0.33	13.9	14.3	—	54,588	54,588	2.70	2.98	1.97	55,546
Area	43.6	43.6	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
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	2,824	2,824	0.44	0.05	—	2,849
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7

Vegetati	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	75.1	72.3	25.9	209	0.30	0.07	54.5	54.5	0.26	13.8	14.1	591	57,407	57,998	62.5	3.25	23.7	60,552
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.4	29.0	24.2	204	0.54	0.35	54.1	54.5	0.33	13.8	14.1	—	55,562	55,562	2.52	2.86	32.7	56,510
Area	46.8	46.6	0.32	35.4	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	94.5	94.5	< 0.005	< 0.005	—	94.8
Energy	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	2,824	2,824	0.44	0.05	—	2,849
Water	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Waste	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Vegetation	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-214	-214	—	—	—	-214
Total	78.3	75.4	24.5	239	0.31	0.08	53.8	53.9	0.28	13.7	14.0	591	58,475	59,067	62.3	3.13	54.4	61,612
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.74	5.30	4.41	37.2	0.10	0.06	9.88	9.94	0.06	2.51	2.57	—	9,199	9,199	0.42	0.47	5.42	9,356
Area	8.54	8.51	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7
Energy	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	467	467	0.07	0.01	—	472
Water	—	—	—	—	—	—	—	—	—	—	—	14.4	34.7	49.1	1.48	0.04	—	96.8
Waste	—	—	—	—	—	—	—	—	—	—	—	83.5	0.00	83.5	8.35	0.00	—	292
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.59	3.59
Vegetation	—	-0.04	-0.04	—	-0.04	-0.05	-0.05	-0.11	-0.01	-0.01	-0.03	—	-35.4	-35.4	—	—	—	-35.4
Total	14.3	13.8	4.47	43.7	0.06	0.02	9.83	9.84	0.05	2.50	2.55	97.9	9,681	9,779	10.3	0.52	9.01	10,201

3. Construction Emissions Details

3.1. Site Preparation (2027) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.63	3.05	28.0	28.3	0.05	1.17	—	1.17	1.08	—	1.08	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.33	3.07	3.10	0.01	0.13	—	0.13	0.12	—	0.12	—	581	581	0.02	< 0.005	—	583
Dust From Material Movement	—	—	—	—	—	—	2.15	2.15	—	1.11	1.11	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.56	0.57	< 0.005	0.02	—	0.02	0.02	—	0.02	—	96.1	96.1	< 0.005	< 0.005	—	96.5
Dust From Material Movement	—	—	—	—	—	—	0.39	0.39	—	0.20	0.20	—	—	—	—	—	—	—

Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.92	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	191	191	< 0.005	0.01	0.63	193
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.4
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.16	3.16	< 0.005	< 0.005	< 0.005	3.21
Vendor	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
Hauling	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

3.2. Site Preparation (2027) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.63	3.05	28.0	28.3	0.05	1.17	—	1.17	1.08	—	1.08	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.33	3.07	3.10	0.01	0.13	—	0.13	0.12	—	0.12	—	581	581	0.02	< 0.005	—	583
Dust From Material Movement	—	—	—	—	—	—	2.15	2.15	—	1.11	1.11	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.56	0.57	< 0.005	0.02	—	0.02	0.02	—	0.02	—	96.1	96.1	< 0.005	< 0.005	—	96.5
Dust From Material Movement	—	—	—	—	—	—	0.39	0.39	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.92	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	191	191	< 0.005	0.01	0.63	193
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.4
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.16	3.16	< 0.005	< 0.005	< 0.005	3.21
Vendor	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
Hauling	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

3.3. Grading (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.74	3.99	34.9	35.4	0.08	1.43	—	1.43	1.32	—	1.32	—	8,180	8,180	0.33	0.07	—	8,208

Dust From Material Movement	—	—	—	—	—	—	16.0	16.0	—	7.06	7.06	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.74	3.99	34.9	35.4	0.08	1.43	—	1.43	1.32	—	1.32	—	8,180	8,180	0.33	0.07	—	8,208
Dust From Material Movement	—	—	—	—	—	—	16.0	16.0	—	7.06	7.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	1.53	13.4	13.6	0.03	0.55	—	0.55	0.51	—	0.51	—	3,138	3,138	0.13	0.03	—	3,148
Dust From Material Movement	—	—	—	—	—	—	6.14	6.14	—	2.71	2.71	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.44	2.48	0.01	0.10	—	0.10	0.09	—	0.09	—	519	519	0.02	< 0.005	—	521

Dust From Material Movement	—	—	—	—	—	—	1.12	1.12	—	0.49	0.49	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.07	1.45	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	300	300	< 0.005	0.01	0.99	304
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.09	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	267	267	0.01	0.01	0.03	271
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.42	0.00	0.00	0.11	0.11	0.00	0.02	0.02	—	105	105	< 0.005	< 0.005	0.16	107
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.03	17.6
Vendor	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
Hauling	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

3.4. Grading (2027) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.74	3.99	34.9	35.4	0.08	1.43	—	1.43	1.32	—	1.32	—	8,180	8,180	0.33	0.07	—	8,208
Dust From Material Movement	—	—	—	—	—	—	16.0	16.0	—	7.06	7.06	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.74	3.99	34.9	35.4	0.08	1.43	—	1.43	1.32	—	1.32	—	8,180	8,180	0.33	0.07	—	8,208
Dust From Material Movement	—	—	—	—	—	—	16.0	16.0	—	7.06	7.06	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.82	1.53	13.4	13.6	0.03	0.55	—	0.55	0.51	—	0.51	—	3,138	3,138	0.13	0.03	—	3,148
Dust From Material Movement	—	—	—	—	—	—	6.14	6.14	—	2.71	2.71	—	—	—	—	—	—	—

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.44	2.48	0.01	0.10	—	0.10	0.09	—	0.09	—	519	519	0.02	< 0.005	—	521
Dust From Material Movement	—	—	—	—	—	—	1.12	1.12	—	0.49	0.49	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.07	1.45	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	300	300	< 0.005	0.01	0.99	304
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.09	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	267	267	0.01	0.01	0.03	271
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.42	0.00	0.00	0.11	0.11	0.00	0.02	0.02	—	105	105	< 0.005	< 0.005	0.16	107
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.03	17.6

Vendor	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
Hauling	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

3.5. Building Construction (2029) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.15	1.38	2.07	< 0.005	0.04	—	0.04	0.04	—	0.04	—	385	385	0.02	< 0.005	—	386
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	63.7	63.7	< 0.005	< 0.005	—	63.9
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	1.93	1.89	22.9	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,071	6,071	0.13	0.26	0.49	6,153
Vendor	0.21	0.07	4.31	1.54	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,435	3,435	0.10	0.52	0.17	3,593
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.31	0.26	3.72	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	999	999	0.02	0.04	1.31	1,013
Vendor	0.03	0.01	0.68	0.25	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	551	551	0.02	0.08	0.44	577
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.68	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	165	165	< 0.005	0.01	0.22	168
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	91.2	91.2	< 0.005	0.01	0.07	95.5
Hauling	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

3.6. Building Construction (2029) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.15	1.38	2.07	< 0.005	0.04	—	0.04	0.04	—	0.04	—	385	385	0.02	< 0.005	—	386
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	0.38	< 0.005	0.01	—	0.01	0.01	—	0.01	—	63.7	63.7	< 0.005	< 0.005	—	63.9
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	1.93	1.89	22.9	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,071	6,071	0.13	0.26	0.49	6,153
Vendor	0.21	0.07	4.31	1.54	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,435	3,435	0.10	0.52	0.17	3,593
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.31	0.26	3.72	0.00	0.00	1.04	1.04	0.00	0.24	0.24	—	999	999	0.02	0.04	1.31	1,013
Vendor	0.03	0.01	0.68	0.25	< 0.005	< 0.005	0.16	0.16	< 0.005	0.04	0.05	—	551	551	0.02	0.08	0.44	577
Hauling	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.68	0.00	0.00	0.19	0.19	0.00	0.04	0.04	—	165	165	< 0.005	0.01	0.22	168
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	91.2	91.2	< 0.005	0.01	0.07	95.5
Hauling	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

3.7. Building Construction (2030) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	5.99	9.20	0.02	0.19	—	0.19	0.17	—	0.17	—	1,712	1,712	0.07	0.01	—	1,718

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.09	1.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.30	2.05	1.18	29.0	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,690	6,690	0.09	0.04	16.9	6,722
Vendor	0.19	0.08	3.88	1.47	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,334	3,334	0.10	0.52	5.56	3,497
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.12	1.86	1.67	21.5	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,971	5,971	0.11	0.26	0.44	6,052
Vendor	0.18	0.07	4.16	1.51	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,337	3,337	0.10	0.52	0.14	3,495
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.50	1.32	1.01	15.8	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,373	4,373	0.07	0.18	5.22	4,433
Vendor	0.13	0.06	2.90	1.06	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,382	2,382	0.07	0.37	1.71	2,497
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.18	2.88	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	724	724	0.01	0.03	0.86	734
Vendor	0.02	0.01	0.53	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	394	394	0.01	0.06	0.28	413
Hauling	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

3.8. Building Construction (2030) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	5.99	9.20	0.02	0.19	—	0.19	0.17	—	0.17	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.09	1.68	< 0.005	0.03	—	0.03	0.03	—	0.03	—	283	283	0.01	< 0.005	—	284

Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.30	2.05	1.18	29.0	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,690	6,690	0.09	0.04	16.9	6,722
Vendor	0.19	0.08	3.88	1.47	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,334	3,334	0.10	0.52	5.56	3,497
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.12	1.86	1.67	21.5	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,971	5,971	0.11	0.26	0.44	6,052
Vendor	0.18	0.07	4.16	1.51	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,337	3,337	0.10	0.52	0.14	3,495
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.50	1.32	1.01	15.8	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,373	4,373	0.07	0.18	5.22	4,433
Vendor	0.13	0.06	2.90	1.06	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,382	2,382	0.07	0.37	1.71	2,497
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.18	2.88	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	724	724	0.01	0.03	0.86	734
Vendor	0.02	0.01	0.53	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	394	394	0.01	0.06	0.28	413
Hauling	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

3.9. Building Construction (2031) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	5.80	9.18	0.02	0.17	—	0.17	0.16	—	0.16	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.06	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	2.20	1.96	1.16	27.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,584	6,584	0.09	0.04	15.1	6,614
Vendor	0.19	0.08	3.73	1.42	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,229	3,229	0.10	0.49	4.77	3,384
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.85	1.81	1.44	20.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,877	5,877	0.11	0.25	0.39	5,954
Vendor	0.18	0.07	4.00	1.46	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,232	3,232	0.10	0.49	0.12	3,382
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.31	1.28	1.00	14.9	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,305	4,305	0.07	0.03	4.64	4,320
Vendor	0.13	0.06	2.79	1.02	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,308	2,308	0.07	0.35	1.47	2,416
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.18	2.71	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	713	713	0.01	0.01	0.77	715
Vendor	0.02	0.01	0.51	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	382	382	0.01	0.06	0.24	400
Hauling	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

3.10. Building Construction (2031) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405

Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.66	5.80	9.18	0.02	0.17	—	0.17	0.16	—	0.16	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.06	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.20	1.96	1.16	27.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,584	6,584	0.09	0.04	15.1	6,614
Vendor	0.19	0.08	3.73	1.42	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,229	3,229	0.10	0.49	4.77	3,384
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.85	1.81	1.44	20.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,877	5,877	0.11	0.25	0.39	5,954
Vendor	0.18	0.07	4.00	1.46	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,232	3,232	0.10	0.49	0.12	3,382
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.31	1.28	1.00	14.9	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,305	4,305	0.07	0.03	4.64	4,320
Vendor	0.13	0.06	2.79	1.02	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,308	2,308	0.07	0.35	1.47	2,416
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.23	0.18	2.71	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	713	713	0.01	0.01	0.77	715
Vendor	0.02	0.01	0.51	0.19	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	382	382	0.01	0.06	0.24	400
Hauling	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

3.11. Building Construction (2032) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	5.64	9.16	0.02	0.16	—	0.16	0.15	—	0.15	—	1,717	1,717	0.07	0.01	—	1,723
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.03	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	284	284	0.01	< 0.005	—	285
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.91	1.88	1.15	26.1	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,487	6,487	0.07	0.04	13.3	6,515
Vendor	0.19	0.08	3.60	1.39	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,127	3,127	0.08	0.47	4.10	3,272
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.76	1.72	1.42	19.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,791	5,791	0.10	0.25	0.34	5,867
Vendor	0.18	0.07	3.85	1.42	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,130	3,130	0.08	0.47	0.11	3,271
Hauling	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.25	1.22	0.84	14.1	0.00	0.00	4.64	4.64	0.00	1.09	1.09	—	4,253	4,253	0.06	0.03	4.10	4,268
Vendor	0.13	0.06	2.69	1.00	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,240	2,240	0.05	0.34	1.26	2,343
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.22	0.15	2.58	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	704	704	0.01	0.01	0.68	707
Vendor	0.02	0.01	0.49	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	371	371	0.01	0.06	0.21	388
Hauling	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

3.12. Building Construction (2032) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	5.64	9.16	0.02	0.16	—	0.16	0.15	—	0.15	—	1,717	1,717	0.07	0.01	—	1,723
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	1.03	1.67	< 0.005	0.03	—	0.03	0.03	—	0.03	—	284	284	0.01	< 0.005	—	285
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.91	1.88	1.15	26.1	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,487	6,487	0.07	0.04	13.3	6,515
Vendor	0.19	0.08	3.60	1.39	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,127	3,127	0.08	0.47	4.10	3,272
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.76	1.72	1.42	19.4	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,791	5,791	0.10	0.25	0.34	5,867
Vendor	0.18	0.07	3.85	1.42	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,130	3,130	0.08	0.47	0.11	3,271
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.25	1.22	0.84	14.1	0.00	0.00	4.64	4.64	0.00	1.09	1.09	—	4,253	4,253	0.06	0.03	4.10	4,268
Vendor	0.13	0.06	2.69	1.00	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,240	2,240	0.05	0.34	1.26	2,343
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.23	0.22	0.15	2.58	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	704	704	0.01	0.01	0.68	707
Vendor	0.02	0.01	0.49	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	371	371	0.01	0.06	0.21	388
Hauling	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

3.13. Building Construction (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.63	5.48	9.13	0.02	0.15	—	0.15	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	1.00	1.67	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.86	1.82	0.93	24.9	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,399	6,399	0.07	0.04	11.6	6,425
Vendor	0.16	0.08	3.47	1.33	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,027	3,027	0.08	0.47	3.45	3,172
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.69	1.20	18.5	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,712	5,712	0.10	0.04	0.30	5,727
Vendor	0.15	0.07	3.73	1.37	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,030	3,030	0.07	0.47	0.09	3,172
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.23	1.20	0.83	13.5	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,184	4,184	0.06	0.03	3.59	4,198
Vendor	0.11	0.06	2.60	0.96	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,163	2,163	0.05	0.33	1.07	2,265
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	0.15	2.47	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	693	693	0.01	0.01	0.59	695
Vendor	0.02	0.01	0.47	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	358	358	0.01	0.06	0.18	375
Hauling	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

3.14. Building Construction (2033) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.63	5.48	9.13	0.02	0.15	—	0.15	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	1.00	1.67	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.86	1.82	0.93	24.9	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,399	6,399	0.07	0.04	11.6	6,425
Vendor	0.16	0.08	3.47	1.33	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,027	3,027	0.08	0.47	3.45	3,172
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.69	1.20	18.5	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,712	5,712	0.10	0.04	0.30	5,727
Vendor	0.15	0.07	3.73	1.37	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	3,030	3,030	0.07	0.47	0.09	3,172
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.23	1.20	0.83	13.5	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,184	4,184	0.06	0.03	3.59	4,198
Vendor	0.11	0.06	2.60	0.96	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,163	2,163	0.05	0.33	1.07	2,265
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	0.15	2.47	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	693	693	0.01	0.01	0.59	695
Vendor	0.02	0.01	0.47	0.18	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	358	358	0.01	0.06	0.18	375
Hauling	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

3.15. Building Construction (2034) - Unmitigated

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

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

Off-Road	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.74	0.62	5.37	9.12	0.02	0.14	—	0.14	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.98	1.66	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.75	1.72	0.91	23.7	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,318	6,318	0.07	0.04	10.1	6,343
Vendor	0.16	0.08	3.35	1.30	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,931	2,931	0.07	0.44	2.91	3,068
Hauling	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.65	1.61	1.19	17.6	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,639	5,639	0.10	0.04	0.26	5,655
Vendor	0.15	0.07	3.61	1.34	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,934	2,934	0.07	0.44	0.08	3,068
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.17	1.15	0.82	12.9	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,131	4,131	0.06	0.03	3.13	4,145
Vendor	0.11	0.06	2.51	0.94	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,095	2,095	0.05	0.32	0.90	2,191
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.21	0.15	2.36	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	684	684	0.01	0.01	0.52	686
Vendor	0.02	0.01	0.46	0.17	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	347	347	0.01	0.05	0.15	363
Hauling	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

3.16. Building Construction (2034) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.74	0.62	5.37	9.12	0.02	0.14	—	0.14	0.13	—	0.13	—	1,712	1,712	0.07	0.01	—	1,718
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.13	0.11	0.98	1.66	< 0.005	0.03	—	0.03	0.02	—	0.02	—	283	283	0.01	< 0.005	—	284
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.75	1.72	0.91	23.7	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,318	6,318	0.07	0.04	10.1	6,343
Vendor	0.16	0.08	3.35	1.30	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,931	2,931	0.07	0.44	2.91	3,068
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.65	1.61	1.19	17.6	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,639	5,639	0.10	0.04	0.26	5,655
Vendor	0.15	0.07	3.61	1.34	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,934	2,934	0.07	0.44	0.08	3,068
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.17	1.15	0.82	12.9	0.00	0.00	4.62	4.62	0.00	1.08	1.08	—	4,131	4,131	0.06	0.03	3.13	4,145
Vendor	0.11	0.06	2.51	0.94	0.02	0.02	0.71	0.73	0.02	0.20	0.21	—	2,095	2,095	0.05	0.32	0.90	2,191
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.21	0.15	2.36	0.00	0.00	0.84	0.84	0.00	0.20	0.20	—	684	684	0.01	0.01	0.52	686
Vendor	0.02	0.01	0.46	0.17	< 0.005	< 0.005	0.13	0.13	< 0.005	0.04	0.04	—	347	347	0.01	0.05	0.15	363
Hauling	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

3.17. Building Construction (2035) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.21	0.18	1.55	2.68	< 0.005	0.04	—	0.04	0.03	—	0.03	—	507	507	0.02	< 0.005	—	508
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.49	< 0.005	0.01	—	0.01	0.01	—	0.01	—	83.9	83.9	< 0.005	< 0.005	—	84.2
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.71	0.91	22.8	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,245	6,245	0.06	0.04	8.77	6,268
Vendor	0.16	0.08	3.25	1.28	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,840	2,840	0.07	0.44	2.42	2,976
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.59	1.18	16.8	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,574	5,574	0.09	0.04	0.23	5,589
Vendor	0.15	0.07	3.49	1.31	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,843	2,843	0.07	0.44	0.06	2,976
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.33	0.20	3.65	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,208	1,208	0.02	0.01	0.80	1,212
Vendor	0.03	0.02	0.72	0.27	0.01	0.01	0.21	0.21	0.01	0.06	0.06	—	600	600	0.02	0.09	0.22	629
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	200	200	< 0.005	< 0.005	0.13	201
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	99.4	99.4	< 0.005	0.02	0.04	104

Hauling	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

3.18. Building Construction (2035) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.55	2.68	< 0.005	0.04	—	0.04	0.03	—	0.03	—	507	507	0.02	< 0.005	—	508
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.04	0.03	0.28	0.49	< 0.005	0.01	—	0.01	0.01	—	0.01	—	83.9	83.9	< 0.005	< 0.005	—	84.2
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.71	0.91	22.8	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	6,245	6,245	0.06	0.04	8.77	6,268
Vendor	0.16	0.08	3.25	1.28	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,840	2,840	0.07	0.44	2.42	2,976
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.59	1.18	16.8	0.00	0.00	6.55	6.55	0.00	1.54	1.54	—	5,574	5,574	0.09	0.04	0.23	5,589
Vendor	0.15	0.07	3.49	1.31	0.03	0.03	1.00	1.03	0.03	0.28	0.30	—	2,843	2,843	0.07	0.44	0.06	2,976
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.34	0.33	0.20	3.65	0.00	0.00	1.37	1.37	0.00	0.32	0.32	—	1,208	1,208	0.02	0.01	0.80	1,212
Vendor	0.03	0.02	0.72	0.27	0.01	0.01	0.21	0.21	0.01	0.06	0.06	—	600	600	0.02	0.09	0.22	629
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	200	200	< 0.005	< 0.005	0.13	201
Vendor	0.01	< 0.005	0.13	0.05	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	99.4	99.4	< 0.005	0.02	0.04	104
Hauling	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

3.19. Paving (2027) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.31	0.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.0	68.0	< 0.005	< 0.005	—	68.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.3	11.3	< 0.005	< 0.005	—	11.3
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.60	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	146	146	< 0.005	0.01	0.01	148
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	0.01	6.82
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13
Vendor	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
Hauling	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

3.20. Paving (2027) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.94	9.95	0.01	0.30	—	0.30	0.27	—	0.27	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.31	0.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	68.0	68.0	< 0.005	< 0.005	—	68.2
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.3	11.3	< 0.005	< 0.005	—	11.3
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.60	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	146	146	< 0.005	0.01	0.01	148
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	0.01	6.82
Vendor	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
Hauling	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.11	1.11	< 0.005	< 0.005	< 0.005	1.13
Vendor	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
Hauling	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

3.21. Paving (2028) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.58	0.49	4.75	7.10	0.01	0.18	—	0.18	0.17	—	0.17	—	1,082	1,082	0.04	0.01	—	1,086
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.87	1.30	< 0.005	0.03	—	0.03	0.03	—	0.03	—	179	179	0.01	< 0.005	—	180
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.75	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	160	160	< 0.005	0.01	0.49	162
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.56	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	143	143	< 0.005	0.01	0.01	145
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.41	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.15	106
Vendor	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
Hauling	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.02	17.6
Vendor	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
Hauling	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

3.22. Paving (2028) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	6.63	9.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.58	0.49	4.75	7.10	0.01	0.18	—	0.18	0.17	—	0.17	—	1,082	1,082	0.04	0.01	—	1,086
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.87	1.30	< 0.005	0.03	—	0.03	0.03	—	0.03	—	179	179	0.01	< 0.005	—	180
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.03	0.75	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	160	160	< 0.005	0.01	0.49	162
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.56	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	143	143	< 0.005	0.01	0.01	145
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.41	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	105	105	< 0.005	< 0.005	0.15	106
Vendor	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
Hauling	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.4	17.4	< 0.005	< 0.005	0.02	17.6
Vendor	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
Hauling	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

3.23. Paving (2029) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.44	0.37	3.58	5.49	0.01	0.13	—	0.13	0.12	—	0.12	—	837	837	0.03	0.01	—	839
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.65	1.00	< 0.005	0.02	—	0.02	0.02	—	0.02	—	139	139	0.01	< 0.005	—	139
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.71	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	157	157	< 0.005	< 0.005	0.44	158
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.53	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	140	140	< 0.005	0.01	0.01	142
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.30	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	79.8	79.8	< 0.005	< 0.005	0.10	80.8
Vendor	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
Hauling	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.02	13.4
Vendor	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
Hauling	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

3.24. Paving (2029) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	6.46	9.92	0.01	0.24	—	0.24	0.22	—	0.22	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.44	0.37	3.58	5.49	0.01	0.13	—	0.13	0.12	—	0.12	—	837	837	0.03	0.01	—	839
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.65	1.00	< 0.005	0.02	—	0.02	0.02	—	0.02	—	139	139	0.01	< 0.005	—	139
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.71	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	157	157	< 0.005	< 0.005	0.44	158
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.53	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	140	140	< 0.005	0.01	0.01	142
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.30	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	79.8	79.8	< 0.005	< 0.005	0.10	80.8
Vendor	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
Hauling	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.02	13.4
Vendor	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
Hauling	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

3.25. Architectural Coating (2029) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.11	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Architectural Coatings	1.41	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.94	2.94	< 0.005	< 0.005	—	2.95
Architectural Coatings	0.26	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.38	4.58	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,214	1,214	0.03	0.05	0.10	1,231
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.62	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	166	166	< 0.005	0.01	0.22	168
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.4	27.4	< 0.005	< 0.005	0.04	27.8
Vendor	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
Hauling	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

3.26. Architectural Coating (2029) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.79	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.11	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.8
Architectural Coatings	1.41	1.41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.94	2.94	< 0.005	< 0.005	—	2.95
Architectural Coatings	0.26	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.38	4.58	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,214	1,214	0.03	0.05	0.10	1,231
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.04	0.62	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	166	166	< 0.005	0.01	0.22	168
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.4	27.4	< 0.005	< 0.005	0.04	27.8
Vendor	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
Hauling	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

3.27. Architectural Coating (2030) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.56	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.41	0.24	5.80	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,338	1,338	0.02	0.01	3.39	1,344
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.33	4.31	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,194	1,194	0.02	0.05	0.09	1,210
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.26	0.20	3.16	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	875	875	0.01	0.04	1.04	887
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.58	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	145	145	< 0.005	0.01	0.17	147

Vendor	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
Hauling	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

3.28. Architectural Coating (2030) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.09	0.07	0.56	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.41	0.24	5.80	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,338	1,338	0.02	0.01	3.39	1,344
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.37	0.33	4.31	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,194	1,194	0.02	0.05	0.09	1,210
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.26	0.20	3.16	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	875	875	0.01	0.04	1.04	887

Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.58	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	145	145	< 0.005	0.01	0.17	147
Vendor	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
Hauling	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

3.29. Architectural Coating (2031) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134

Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.23	5.47	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,317	1,317	0.02	0.01	3.01	1,323
Vendor	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
Hauling	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.36	0.29	4.07	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,175	1,175	0.02	0.05	0.08	1,191
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.20	2.97	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	861	861	0.01	0.01	0.93	864
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.54	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	143	143	< 0.005	< 0.005	0.15	143
Vendor	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
Hauling	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

3.30. Architectural Coating (2031) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.39	0.23	5.47	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,317	1,317	0.02	0.01	3.01	1,323
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.36	0.29	4.07	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,175	1,175	0.02	0.05	0.08	1,191
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.20	2.97	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	861	861	0.01	0.01	0.93	864
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.54	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	143	143	< 0.005	< 0.005	0.15	143
Vendor	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
Hauling	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

3.31. Architectural Coating (2032) - Unmitigated

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

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

Off-Road	0.11	0.09	0.77	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.77	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.6	95.6	< 0.005	< 0.005	—	95.9
Architectural Coatings	7.60	7.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9

Architect Coatings	1.39	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.38	0.23	5.23	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,297	1,297	0.01	0.01	2.65	1,303
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.28	3.88	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,158	1,158	0.02	0.05	0.07	1,173
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.83	0.00	0.00	0.93	0.93	0.00	0.22	0.22	—	851	851	0.01	0.01	0.82	854
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.52	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	141	141	< 0.005	< 0.005	0.14	141
Vendor	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
Hauling	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

3.32. Architectural Coating (2032) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.77	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.77	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	95.6	95.6	< 0.005	< 0.005	—	95.9
Architectural Coatings	7.60	7.60	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.9
Architectural Coatings	1.39	1.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.38	0.23	5.23	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,297	1,297	0.01	0.01	2.65	1,303
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.28	3.88	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,158	1,158	0.02	0.05	0.07	1,173
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.83	0.00	0.00	0.93	0.93	0.00	0.22	0.22	—	851	851	0.01	0.01	0.82	854
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.52	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	141	141	< 0.005	< 0.005	0.14	141
Vendor	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
Hauling	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

3.33. Architectural Coating (2033) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7

Architect Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.36	0.19	4.99	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,280	1,280	0.01	0.01	2.33	1,285
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.24	3.70	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,142	1,142	0.02	0.01	0.06	1,145
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.70	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	837	837	0.01	0.01	0.72	840
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.04	0.04	0.03	0.49	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	139	139	< 0.005	< 0.005	0.12	139
Vendor	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
Hauling	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

3.34. Architectural Coating (2033) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.79	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.36	0.19	4.99	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,280	1,280	0.01	0.01	2.33	1,285
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.24	3.70	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,142	1,142	0.02	0.01	0.06	1,145
Vendor	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

Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.17	2.70	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	837	837	0.01	0.01	0.72	840
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.49	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	139	139	< 0.005	< 0.005	0.12	139
Vendor	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
Hauling	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

3.35. Architectural Coating (2034) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.79	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8
Architectural Coatings	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.18	4.75	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,264	1,264	0.01	0.01	2.03	1,269

Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.24	3.52	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,128	1,128	0.02	0.01	0.05	1,131
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.16	2.58	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	826	826	0.01	0.01	0.63	829
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.47	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	137	137	< 0.005	< 0.005	0.10	137
Vendor	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
Hauling	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

3.36. Architectural Coating (2034) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134

Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.54	0.79	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	95.4	95.4	< 0.005	< 0.005	—	95.7
Architectural Coatings	7.58	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.8	15.8	< 0.005	< 0.005	—	15.8

Architectural Coating	1.38	1.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.18	4.75	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,264	1,264	0.01	0.01	2.03	1,269
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.24	3.52	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,128	1,128	0.02	0.01	0.05	1,131
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.16	2.58	0.00	0.00	0.92	0.92	0.00	0.22	0.22	—	826	826	0.01	0.01	0.63	829
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.47	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	137	137	< 0.005	< 0.005	0.10	137
Vendor	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
Hauling	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

3.37. Architectural Coating (2035) - Unmitigated

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

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

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.9	31.9	< 0.005	< 0.005	—	32.0
Architectural Coatings	2.53	2.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.28	5.28	< 0.005	< 0.005	—	5.30
Architectural Coatings	0.46	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.18	4.55	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,249	1,249	0.01	0.01	1.75	1,254
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.24	3.35	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,115	1,115	0.02	0.01	0.05	1,118
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.82	0.00	0.00	0.31	0.31	0.00	0.07	0.07	—	273	273	< 0.005	< 0.005	0.18	274
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	45.2	45.2	< 0.005	< 0.005	0.03	45.3

Vendor	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
Hauling	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

3.38. Architectural Coating (2035) - 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.76	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	10.6	10.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.03	0.02	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.9	31.9	< 0.005	< 0.005	—	32.0
Architectural Coatings	2.53	2.53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.28	5.28	< 0.005	< 0.005	—	5.30
Architectural Coatings	0.46	0.46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.18	4.55	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,249	1,249	0.01	0.01	1.75	1,254
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.32	0.24	3.35	0.00	0.00	1.31	1.31	0.00	0.31	0.31	—	1,115	1,115	0.02	0.01	0.05	1,118
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.04	0.82	0.00	0.00	0.31	0.31	0.00	0.07	0.07	—	273	273	< 0.005	< 0.005	0.18	274

Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	45.2	45.2	< 0.005	< 0.005	0.03	45.3
Vendor	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
Hauling	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

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	20.5	19.1	13.3	142	0.35	0.21	32.8	33.0	0.20	8.34	8.53	—	35,480	35,480	1.43	1.65	45.4	36,054
Apartments Low Rise	5.93	5.52	3.85	41.0	0.10	0.06	9.49	9.55	0.06	2.41	2.47	—	10,265	10,265	0.41	0.48	13.1	10,431
Apartments Mid Rise	3.68	3.42	2.39	25.4	0.06	0.04	5.88	5.92	0.04	1.50	1.53	—	6,363	6,363	0.26	0.30	8.14	6,466
Day-Care Center	0.94	0.87	0.63	6.83	0.02	0.01	1.61	1.62	0.01	0.41	0.42	—	1,736	1,736	0.07	0.08	2.23	1,764
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	0.00	0.00	0.00

Fast Food Restaurant w/o Drive Thru	0.85	0.79	0.57	6.19	0.02	0.01	1.46	1.47	0.01	0.37	0.38	—	1,574	1,574	0.06	0.07	2.02	1,599
City Park	2.07	1.91	1.39	15.0	0.04	0.02	3.54	3.57	0.02	0.90	0.92	—	3,823	3,823	0.15	0.17	4.90	3,884
Total	34.0	31.6	22.2	236	0.58	0.35	54.8	55.1	0.33	13.9	14.3	—	59,241	59,241	2.38	2.75	75.8	60,197
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	19.0	17.5	15.5	125	0.32	0.21	32.8	33.0	0.20	8.34	8.53	—	32,694	32,694	1.62	1.79	1.18	33,270
Apartments Low Rise	5.50	5.07	4.50	36.3	0.09	0.06	9.49	9.55	0.06	2.41	2.47	—	9,459	9,459	0.47	0.52	0.34	9,625
Apartments Mid Rise	3.41	3.14	2.79	22.5	0.06	0.04	5.88	5.92	0.04	1.50	1.53	—	5,863	5,863	0.29	0.32	0.21	5,966
Day-Care Center	0.87	0.80	0.74	5.98	0.02	0.01	1.61	1.62	0.01	0.41	0.42	—	1,599	1,599	0.08	0.09	0.06	1,627
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.79	0.72	0.67	5.42	0.01	0.01	1.46	1.47	0.01	0.37	0.38	—	1,450	1,450	0.07	0.08	0.05	1,475
City Park	1.92	1.76	1.63	13.2	0.03	0.02	3.54	3.57	0.02	0.90	0.92	—	3,522	3,522	0.17	0.19	0.13	3,583
Total	31.5	29.0	25.9	209	0.53	0.35	54.8	55.1	0.33	13.9	14.3	—	54,588	54,588	2.70	2.98	1.97	55,546
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.46	3.20	2.65	22.3	0.06	0.04	5.92	5.95	0.04	1.50	1.54	—	5,509	5,509	0.25	0.28	3.25	5,604

Apartme Low Rise	1.00	0.93	0.77	6.46	0.02	0.01	1.71	1.72	0.01	0.44	0.45	—	1,594	1,594	0.07	0.08	0.94	1,621
Apartments Mid Rise	0.62	0.57	0.48	4.01	0.01	0.01	1.06	1.07	0.01	0.27	0.28	—	988	988	0.05	0.05	0.58	1,005
Day-Care Center	0.16	0.15	0.13	1.07	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	270	270	0.01	0.01	0.16	274
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.14	0.13	0.11	0.97	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07	—	244	244	0.01	0.01	0.14	248
City Park	0.35	0.32	0.28	2.36	0.01	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	594	594	0.03	0.03	0.35	604
Total	5.74	5.30	4.41	37.2	0.10	0.06	9.88	9.94	0.06	2.51	2.57	—	9,199	9,199	0.42	0.47	5.42	9,356

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	20.5	19.1	13.3	142	0.35	0.21	32.8	33.0	0.20	8.34	8.53	—	35,480	35,480	1.43	1.65	45.4	36,054
Apartments Low Rise	5.93	5.52	3.85	41.0	0.10	0.06	9.49	9.55	0.06	2.41	2.47	—	10,265	10,265	0.41	0.48	13.1	10,431
Apartments Mid Rise	3.68	3.42	2.39	25.4	0.06	0.04	5.88	5.92	0.04	1.50	1.53	—	6,363	6,363	0.26	0.30	8.14	6,466

Day-Care Center	0.94	0.87	0.63	6.83	0.02	0.01	1.61	1.62	0.01	0.41	0.42	—	1,736	1,736	0.07	0.08	2.23	1,764
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.85	0.79	0.57	6.19	0.02	0.01	1.46	1.47	0.01	0.37	0.38	—	1,574	1,574	0.06	0.07	2.02	1,599
City Park	2.07	1.91	1.39	15.0	0.04	0.02	3.54	3.57	0.02	0.90	0.92	—	3,823	3,823	0.15	0.17	4.90	3,884
Total	34.0	31.6	22.2	236	0.58	0.35	54.8	55.1	0.33	13.9	14.3	—	59,241	59,241	2.38	2.75	75.8	60,197
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	19.0	17.5	15.5	125	0.32	0.21	32.8	33.0	0.20	8.34	8.53	—	32,694	32,694	1.62	1.79	1.18	33,270
Apartments Low Rise	5.50	5.07	4.50	36.3	0.09	0.06	9.49	9.55	0.06	2.41	2.47	—	9,459	9,459	0.47	0.52	0.34	9,625
Apartments Mid Rise	3.41	3.14	2.79	22.5	0.06	0.04	5.88	5.92	0.04	1.50	1.53	—	5,863	5,863	0.29	0.32	0.21	5,966
Day-Care Center	0.87	0.80	0.74	5.98	0.02	0.01	1.61	1.62	0.01	0.41	0.42	—	1,599	1,599	0.08	0.09	0.06	1,627
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.79	0.72	0.67	5.42	0.01	0.01	1.46	1.47	0.01	0.37	0.38	—	1,450	1,450	0.07	0.08	0.05	1,475
City Park	1.92	1.76	1.63	13.2	0.03	0.02	3.54	3.57	0.02	0.90	0.92	—	3,522	3,522	0.17	0.19	0.13	3,583
Total	31.5	29.0	25.9	209	0.53	0.35	54.8	55.1	0.33	13.9	14.3	—	54,588	54,588	2.70	2.98	1.97	55,546

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	3.46	3.20	2.65	22.3	0.06	0.04	5.92	5.95	0.04	1.50	1.54	—	5,509	5,509	0.25	0.28	3.25	5,604
Apartments Low Rise	1.00	0.93	0.77	6.46	0.02	0.01	1.71	1.72	0.01	0.44	0.45	—	1,594	1,594	0.07	0.08	0.94	1,621
Apartments Mid Rise	0.62	0.57	0.48	4.01	0.01	0.01	1.06	1.07	0.01	0.27	0.28	—	988	988	0.05	0.05	0.58	1,005
Day-Care Center	0.16	0.15	0.13	1.07	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	270	270	0.01	0.01	0.16	274
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	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	0.14	0.13	0.11	0.97	< 0.005	< 0.005	0.26	0.26	< 0.005	0.07	0.07	—	244	244	0.01	0.01	0.14	248
City Park	0.35	0.32	0.28	2.36	0.01	< 0.005	0.64	0.64	< 0.005	0.16	0.17	—	594	594	0.03	0.03	0.35	604
Total	5.74	5.30	4.41	37.2	0.10	0.06	9.88	9.94	0.06	2.51	2.57	—	9,199	9,199	0.42	0.47	5.42	9,356

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

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

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	3,392	3,392	0.55	0.07	—	3,426
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	715	715	0.12	0.01	—	722
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	631	631	0.10	0.01	—	637
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	16.1	16.1	< 0.005	< 0.005	—	16.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	0.01	< 0.005	—	49.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.02	< 0.005	—	113
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,916	4,916	0.80	0.10	—	4,965
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	3,392	3,392	0.55	0.07	—	3,426
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	715	715	0.12	0.01	—	722
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	631	631	0.10	0.01	—	637
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	16.1	16.1	< 0.005	< 0.005	—	16.3

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	0.01	< 0.005	—	49.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.02	< 0.005	—	113
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,916	4,916	0.80	0.10	—	4,965
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	562	562	0.09	0.01	—	567
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	118	118	0.02	< 0.005	—	120
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	105	105	0.02	< 0.005	—	106
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	2.67	2.67	< 0.005	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.09	8.09	< 0.005	< 0.005	—	8.17
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	18.6	18.6	< 0.005	< 0.005	—	18.8
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	814	814	0.13	0.02	—	822

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,364	2,364	0.38	0.05	—	2,387
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	16.1	16.1	< 0.005	< 0.005	—	16.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	0.01	< 0.005	—	49.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.02	< 0.005	—	113
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,541	2,541	0.41	0.05	—	2,566
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	2,364	2,364	0.38	0.05	—	2,387
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	16.1	16.1	< 0.005	< 0.005	—	16.3
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	48.8	48.8	0.01	< 0.005	—	49.3
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	112	112	0.02	< 0.005	—	113
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,541	2,541	0.41	0.05	—	2,566
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	391	391	0.06	0.01	—	395
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	2.67	2.67	< 0.005	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.09	8.09	< 0.005	< 0.005	—	8.17
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	18.6	18.6	< 0.005	< 0.005	—	18.8
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	421	421	0.07	0.01	—	425

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.2	87.2	0.01	< 0.005	—	87.5
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
Fast Food Restaurant w/o Drive Thru	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196
City Park	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	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	282	282	0.03	< 0.005	—	283
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.2	87.2	0.01	< 0.005	—	87.5
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
Fast Food Restaurant w/o Drive Thru	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196
City Park	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	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	282	282	0.03	< 0.005	—	283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5
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

Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.3	32.3	< 0.005	< 0.005	—	32.4
City Park	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	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.8	46.8	< 0.005	< 0.005	—	46.9

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.2	87.2	0.01	< 0.005	—	87.5
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
Fast Food Restaurant w/o Drive Thru	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196

City Park	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	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	282	282	0.03	< 0.005	—	283
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	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
Apartments Low Rise	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
Apartments Mid Rise	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
Day-Care Center	0.01	< 0.005	0.07	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.2	87.2	0.01	< 0.005	—	87.5
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
Fast Food Restaurant w/o Drive Thru	0.02	0.01	0.16	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	195	195	0.02	< 0.005	—	196
City Park	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	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	282	282	0.03	< 0.005	—	283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	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
Apartments Low Rise	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

Apartments Mid Rise	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
Day-Care Center	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	14.4	14.4	< 0.005	< 0.005	—	14.5
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
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.3	32.3	< 0.005	< 0.005	—	32.4
City Park	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	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.8	46.8	< 0.005	< 0.005	—	46.9

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	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
Consumer Products	43.6	43.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	6.56	6.21	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	—	192	192	0.01	< 0.005	—	192
Total	50.1	49.8	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	192	192	0.01	< 0.005	—	192
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	43.6	43.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	43.6	43.6	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	7.95	7.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.59	0.56	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.6	15.6	< 0.005	< 0.005	—	15.7
Total	8.54	8.51	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7

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	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
Consumer Products	43.6	43.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	6.56	6.21	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	—	192	192	0.01	< 0.005	—	192
Total	50.1	49.8	0.66	71.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	192	192	0.01	< 0.005	—	192
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	43.6	43.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	43.6	43.6	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	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
Consumer Products	7.95	7.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.59	0.56	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.6	15.6	< 0.005	< 0.005	—	15.7
Total	8.54	8.51	0.06	6.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	15.6	15.6	< 0.005	< 0.005	—	15.7

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	47.6	94.2	142	4.90	0.12	—	299
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.3	17.6	36.8	1.98	0.05	—	100
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.7	15.3	32.0	1.72	0.04	—	87.1
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.52	0.47	0.99	0.05	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	2.66	5.56	0.30	0.01	—	15.2

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	79.3	79.3	0.01	< 0.005	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	47.6	94.2	142	4.90	0.12	—	299
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.3	17.6	36.8	1.98	0.05	—	100
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.7	15.3	32.0	1.72	0.04	—	87.1
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.52	0.47	0.99	0.05	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	2.66	5.56	0.30	0.01	—	15.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	79.3	79.3	0.01	< 0.005	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	7.88	15.6	23.5	0.81	0.02	—	49.6
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	3.19	2.91	6.10	0.33	0.01	—	16.6

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.77	2.53	5.29	0.28	0.01	—	14.4
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.09	0.08	0.16	0.01	< 0.005	—	0.45
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.48	0.44	0.92	0.05	< 0.005	—	2.51
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	13.1	13.1	< 0.005	< 0.005	—	13.3
Total	—	—	—	—	—	—	—	—	—	—	—	14.4	34.7	49.1	1.48	0.04	—	96.8

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	47.6	94.2	142	4.90	0.12	—	299
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.3	17.6	36.8	1.98	0.05	—	100
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.7	15.3	32.0	1.72	0.04	—	87.1
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.52	0.47	0.99	0.05	< 0.005	—	2.70

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	2.66	5.56	0.30	0.01	—	15.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	79.3	79.3	0.01	< 0.005	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	47.6	94.2	142	4.90	0.12	—	299
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.3	17.6	36.8	1.98	0.05	—	100
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.7	15.3	32.0	1.72	0.04	—	87.1
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.52	0.47	0.99	0.05	< 0.005	—	2.70
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.91	2.66	5.56	0.30	0.01	—	15.2
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	79.3	79.3	0.01	< 0.005	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	87.0	210	297	8.95	0.22	—	585
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	7.88	15.6	23.5	0.81	0.02	—	49.6
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	3.19	2.91	6.10	0.33	0.01	—	16.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	2.77	2.53	5.29	0.28	0.01	—	14.4
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.09	0.08	0.16	0.01	< 0.005	—	0.45
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.48	0.44	0.92	0.05	< 0.005	—	2.51
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	13.1	13.1	< 0.005	< 0.005	—	13.3
Total	—	—	—	—	—	—	—	—	—	—	—	14.4	34.7	49.1	1.48	0.04	—	96.8

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	251	0.00	251	25.1	0.00	—	879

Apartment Low Rise	—	—	—	—	—	—	—	—	—	—	—	115	0.00	115	11.5	0.00	—	402
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.95	0.00	—	348
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	4.41	0.00	4.41	0.44	0.00	—	15.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
City Park	—	—	—	—	—	—	—	—	—	—	—	3.23	0.00	3.23	0.32	0.00	—	11.3
Total	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	251	0.00	251	25.1	0.00	—	879
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	115	0.00	115	11.5	0.00	—	402
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.95	0.00	—	348
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	4.41	0.00	4.41	0.44	0.00	—	15.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
City Park	—	—	—	—	—	—	—	—	—	—	—	3.23	0.00	3.23	0.32	0.00	—	11.3
Total	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	41.6	0.00	41.6	4.16	0.00	—	146
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.0	0.00	19.0	1.90	0.00	—	66.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.5	0.00	16.5	1.65	0.00	—	57.7
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.56
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.14	0.00	5.14	0.51	0.00	—	18.0
City Park	—	—	—	—	—	—	—	—	—	—	—	0.53	0.00	0.53	0.05	0.00	—	1.87
Total	—	—	—	—	—	—	—	—	—	—	—	83.5	0.00	83.5	8.35	0.00	—	292

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	251	0.00	251	25.1	0.00	—	879
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	115	0.00	115	11.5	0.00	—	402
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.95	0.00	—	348
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	4.41	0.00	4.41	0.44	0.00	—	15.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
City Park	—	—	—	—	—	—	—	—	—	—	—	3.23	0.00	3.23	0.32	0.00	—	11.3
Total	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	251	0.00	251	25.1	0.00	—	879
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	115	0.00	115	11.5	0.00	—	402
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	99.6	0.00	99.6	9.95	0.00	—	348

Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	4.41	0.00	4.41	0.44	0.00	—	15.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	31.0	0.00	31.0	3.10	0.00	—	109
City Park	—	—	—	—	—	—	—	—	—	—	—	3.23	0.00	3.23	0.32	0.00	—	11.3
Total	—	—	—	—	—	—	—	—	—	—	—	504	0.00	504	50.4	0.00	—	1,765
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	41.6	0.00	41.6	4.16	0.00	—	146
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	19.0	0.00	19.0	1.90	0.00	—	66.5
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	16.5	0.00	16.5	1.65	0.00	—	57.7
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	0.73	0.00	0.73	0.07	0.00	—	2.56
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.14	0.00	5.14	0.51	0.00	—	18.0
City Park	—	—	—	—	—	—	—	—	—	—	—	0.53	0.00	0.53	0.05	0.00	—	1.87
Total	—	—	—	—	—	—	—	—	—	—	—	83.5	0.00	83.5	8.35	0.00	—	292

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.94	9.94
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.82	7.82
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.94	9.94

Apartments	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.82	7.82
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.65	1.65
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.29	1.29
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.59	3.59

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.94	9.94
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.82	7.82
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.94	9.94
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.19	2.19

Apartment Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.72	1.72
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.82	7.82
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.7	21.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.65	1.65
Apartments Low Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Day-Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.29	1.29
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.59	3.59

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)

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. 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	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—	190
Total	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—	190

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-23.5	-23.5	—	—	—	-23.5
Red maple(Acer rubrum)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-36.1	-36.1	—	—	—	-36.1
Freeman maple(Acer x freemanii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-11.8	-11.8	—	—	—	-11.8
Strawberry tree(Arbutus unedo)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-15.1	-15.1	—	—	—	-15.1

European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.44	-6.44	—	—	—	-6.44
White ash(Fraxinus americana)	—	-0.03	> -0.005	—	-0.01	-0.04	-0.04	-0.08	-0.01	-0.01	-0.02	—	-51.6	-51.6	—	—	—	-51.6
Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-6.39	-6.39	—	—	—	-6.39
Tulip tree(Liriodendron tulipifera)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-14.0	-14.0	—	—	—	-14.0
Southern magnolia(Magnolia grandiflora)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-30.4	-30.4	—	—	—	-30.4
Pinyon pine(Pinus edulis)	—	-0.01	> -0.005	—	-0.01	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-22.0	-22.0	—	—	—	-22.0
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.99	-6.99	—	—	—	-6.99
Scarlet oak(Quercus coccinea)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-10.2	-10.2	—	—	—	-10.2
Holly oak(Quercus ilex)	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-22.8	-22.8	—	—	—	-22.8
Oak spp(Quercus)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-7.64	-7.64	—	—	—	-7.64
Willow oak(Quercus phellos)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.05	-0.01	-0.01	-0.01	—	-32.4	-32.4	—	—	—	-32.4

Shumard oak(Quercus shumardii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-16.6	-16.6	—	—	—	-16.6
Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.13	-4.13	—	—	—	-4.13
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.85	-4.85	—	—	—	-4.85
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.58	-1.58	—	—	—	-1.58
Littleleaf linden(Tilia cordata)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-11.4	-11.4	—	—	—	-11.4
Chitalpa (x Chitalpa tashkentensis)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-13.8	-13.8	—	—	—	-13.8
Subtotal	—	-0.23	-0.03	—	-0.09	-0.27	-0.27	-0.53	-0.07	-0.07	-0.14	—	-350	-350	—	—	—	-350
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-89.6	-89.6	—	—	—	-89.6
Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-166	-166	—	—	—	-166
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-39.2	-39.2	—	—	—	-39.2

Strawbe tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-11.9	-11.9	—	—	—	-11.9
Europea n hornbea m(Carpi nus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-15.3	-15.3	—	—	—	-15.3
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-126	-126	—	—	—	-126
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-33.5	-33.5	—	—	—	-33.5
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-42.3	-42.3	—	—	—	-42.3
Souther n magnoli a(Magn olia grandiflo ra)	—	—	—	—	—	—	—	—	—	—	—	—	-69.4	-69.4	—	—	—	-69.4
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-14.2	-14.2	—	—	—	-14.2
London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-15.7	-15.7	—	—	—	-15.7
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-47.4	-47.4	—	—	—	-47.4
Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-52.2	-52.2	—	—	—	-52.2

Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-19.5	-19.5	—	—	—	-19.5
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-134	-134	—	—	—	-134
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-37.2	-37.2	—	—	—	-37.2
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-4.58	-4.58	—	—	—	-4.58
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-6.23	-6.23	—	—	—	-6.23
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-7.81	-7.81	—	—	—	-7.81
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-53.3	-53.3	—	—	—	-53.3
Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-27.9	-27.9	—	—	—	-27.9
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-1,013	-1,013	—	—	—	-1,013
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Red maple(Acer rubrum)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Tulip tree(Liriodendron tulipifera)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

London planetree(Platanus x hybrida)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Littleleaf linden(Tilia cordata)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.21	—	-0.15	-0.03	-0.03	-0.07	-0.01	-0.01	-0.02	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-1,363	-1,363	—	—	—	-1,363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-23.5	-23.5	—	—	—	-23.5
Red maple(Acer rubrum)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-36.1	-36.1	—	—	—	-36.1
Freeman maple(Acer x freemanii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-11.8	-11.8	—	—	—	-11.8
Strawberry tree(Arbutus unedo)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-15.1	-15.1	—	—	—	-15.1
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.44	-6.44	—	—	—	-6.44
White ash(Fraxinus americana)	—	-0.03	> -0.005	—	-0.01	-0.04	-0.04	-0.08	-0.01	-0.01	-0.02	—	-51.6	-51.6	—	—	—	-51.6

Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-6.39	-6.39	—	—	—	-6.39
Tulip tree(Liriodendron tulipifera)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-14.0	-14.0	—	—	—	-14.0
Southern magnolia(Magnolia grandiflora)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-30.4	-30.4	—	—	—	-30.4
Pinyon pine(Pinus edulis)	—	-0.01	> -0.005	—	-0.01	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-22.0	-22.0	—	—	—	-22.0
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.99	-6.99	—	—	—	-6.99
Scarlet oak(Quercus coccinea)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-10.2	-10.2	—	—	—	-10.2
Holly oak(Quercus ilex)	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-22.8	-22.8	—	—	—	-22.8
Oak spp(Quercus)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-7.64	-7.64	—	—	—	-7.64
Willow oak(Quercus phellos)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.05	-0.01	-0.01	-0.01	—	-32.4	-32.4	—	—	—	-32.4
Shumard oak(Quercus shumardii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-16.6	-16.6	—	—	—	-16.6

Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.13	-4.13	—	—	—	-4.13
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.85	-4.85	—	—	—	-4.85
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.58	-1.58	—	—	—	-1.58
Littleleaf linden(Tilia cordata)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-11.4	-11.4	—	—	—	-11.4
Chitalpa (x Chitalpa tashkentensis)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-13.8	-13.8	—	—	—	-13.8
Subtotal	—	-0.23	-0.03	—	-0.09	-0.27	-0.27	-0.53	-0.07	-0.07	-0.14	—	-350	-350	—	—	—	-350
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-89.6	-89.6	—	—	—	-89.6
Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-166	-166	—	—	—	-166
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-39.2	-39.2	—	—	—	-39.2

Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-11.9	-11.9	—	—	—	-11.9
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-15.3	-15.3	—	—	—	-15.3
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-126	-126	—	—	—	-126
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-33.5	-33.5	—	—	—	-33.5
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-42.3	-42.3	—	—	—	-42.3
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-69.4	-69.4	—	—	—	-69.4
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-14.2	-14.2	—	—	—	-14.2
London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-15.7	-15.7	—	—	—	-15.7
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-47.4	-47.4	—	—	—	-47.4

Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-52.2	-52.2	—	—	—	-52.2
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-19.5	-19.5	—	—	—	-19.5
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-134	-134	—	—	—	-134
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-37.2	-37.2	—	—	—	-37.2
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-4.58	-4.58	—	—	—	-4.58
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-6.23	-6.23	—	—	—	-6.23
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-7.81	-7.81	—	—	—	-7.81
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-53.3	-53.3	—	—	—	-53.3
Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-27.9	-27.9	—	—	—	-27.9
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-1,013	-1,013	—	—	—	-1,013
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Norway maple(Acer platanoides)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Tulip tree(Liriodendron tulipifera)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Littleleaf linden(Tilia cordata)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.21	—	-0.15	-0.03	-0.03	-0.07	-0.01	-0.01	-0.02	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-1,363	-1,363	—	—	—	-1,363
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.90	-3.90	—	—	—	-3.90
Red maple(Acer rubrum)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-5.98	-5.98	—	—	—	-5.98
Freeman maple(Acer x freemanii)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.96	-1.96	—	—	—	-1.96
Strawberry tree(Arbutus unedo)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.50	-2.50	—	—	—	-2.50
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.07	-1.07	—	—	—	-1.07
White ash(Fraxinus americana)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-8.54	-8.54	—	—	—	-8.54

Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.06	-1.06	—	—	—	-1.06
Tulip tree(Liriodendron tulipifera)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.32	-2.32	—	—	—	-2.32
Southern magnolia(Magnolia grandiflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.03	-5.03	—	—	—	-5.03
Pinyon pine(Pinus edulis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.64	-3.64	—	—	—	-3.64
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.16	-1.16	—	—	—	-1.16
Scarlet oak(Quercus coccinea)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.69	-1.69	—	—	—	-1.69
Holly oak(Quercus ilex)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.78	-3.78	—	—	—	-3.78
Oak spp(Quercus)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.26	-1.26	—	—	—	-1.26
Willow oak(Quercus phellos)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.37	-5.37	—	—	—	-5.37
Shumard oak(Quercus shumardii)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.74	-2.74	—	—	—	-2.74

Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.68	-0.68	—	—	—	-0.68
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.80	-0.80	—	—	—	-0.80
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.26	-0.26	—	—	—	-0.26
Littleleaf linden(Tilia cordata)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.89	-1.89	—	—	—	-1.89
Chitalpa (x Chitalpa tashkentensis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.28	-2.28	—	—	—	-2.28
Subtotal	—	-0.04	> -0.005	—	-0.02	-0.05	-0.05	-0.10	-0.01	-0.01	-0.03	—	-57.9	-57.9	—	—	—	-57.9
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-14.8	-14.8	—	—	—	-14.8
Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-27.5	-27.5	—	—	—	-27.5
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-6.49	-6.49	—	—	—	-6.49

Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-1.97	-1.97	—	—	—	-1.97
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-2.54	-2.54	—	—	—	-2.54
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-20.8	-20.8	—	—	—	-20.8
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-5.55	-5.55	—	—	—	-5.55
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-7.01	-7.01	—	—	—	-7.01
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-11.5	-11.5	—	—	—	-11.5
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-2.35	-2.35	—	—	—	-2.35
London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-2.59	-2.59	—	—	—	-2.59
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-7.85	-7.85	—	—	—	-7.85

Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-8.64	-8.64	—	—	—	-8.64
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-3.23	-3.23	—	—	—	-3.23
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-22.1	-22.1	—	—	—	-22.1
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-6.16	-6.16	—	—	—	-6.16
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-0.76	-0.76	—	—	—	-0.76
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-1.03	-1.03	—	—	—	-1.03
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-1.29	-1.29	—	—	—	-1.29
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-8.83	-8.83	—	—	—	-8.83
Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-4.62	-4.62	—	—	—	-4.62
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-168	-168	—	—	—	-168
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Norway maple(Acer platanoides)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Tulip tree(Liriodendron tulipifera)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Littleleaf linden(Tilia cordata)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.04	—	-0.03	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.04	-0.04	—	-0.04	-0.05	-0.05	-0.11	-0.01	-0.01	-0.03	—	-226	-226	—	—	—	-226

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,149	1,149	—	—	—	1,149
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—	190
Total	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—	190

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-23.5	-23.5	—	—	—	-23.5
Red maple(Acer rubrum)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-36.1	-36.1	—	—	—	-36.1
Freeman maple(Acer x freemanii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-11.8	-11.8	—	—	—	-11.8

Strawberry tree(Arbunedo)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-15.1	-15.1	—	—	—	-15.1
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.44	-6.44	—	—	—	-6.44
White ash(Fraxinus americana)	—	-0.03	> -0.005	—	-0.01	-0.04	-0.04	-0.08	-0.01	-0.01	-0.02	—	-51.6	-51.6	—	—	—	-51.6
Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-6.39	-6.39	—	—	—	-6.39
Tulip tree(Liriodendron tulipifera)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-14.0	-14.0	—	—	—	-14.0
Southern magnolia(Magnolia grandiflora)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-30.4	-30.4	—	—	—	-30.4
Pinyon pine(Pinus edulis)	—	-0.01	> -0.005	—	-0.01	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-22.0	-22.0	—	—	—	-22.0
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.99	-6.99	—	—	—	-6.99
Scarlet oak(Quercus coccinea)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-10.2	-10.2	—	—	—	-10.2
Holly oak(Quercus ilex)	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-22.8	-22.8	—	—	—	-22.8

Oak spp(Quercus)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-7.64	-7.64	—	—	—	-7.64
Willow oak(Quercus phellos)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.05	-0.01	-0.01	-0.01	—	-32.4	-32.4	—	—	—	-32.4
Shumard oak(Quercus shumardii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-16.6	-16.6	—	—	—	-16.6
Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.13	-4.13	—	—	—	-4.13
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.85	-4.85	—	—	—	-4.85
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.58	-1.58	—	—	—	-1.58
Littleleaf linden(Tilia cordata)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-11.4	-11.4	—	—	—	-11.4
Chitalpa (x Chitalpa tashkentensis)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-13.8	-13.8	—	—	—	-13.8
Subtotal	—	-0.23	-0.03	—	-0.09	-0.27	-0.27	-0.53	-0.07	-0.07	-0.14	—	-350	-350	—	—	—	-350
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-89.6	-89.6	—	—	—	-89.6

Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-166	-166	—	—	—	-166
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-39.2	-39.2	—	—	—	-39.2
Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-11.9	-11.9	—	—	—	-11.9
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-15.3	-15.3	—	—	—	-15.3
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-126	-126	—	—	—	-126
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-33.5	-33.5	—	—	—	-33.5
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-42.3	-42.3	—	—	—	-42.3
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-69.4	-69.4	—	—	—	-69.4
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-14.2	-14.2	—	—	—	-14.2

London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-15.7	-15.7	—	—	—	-15.7
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-47.4	-47.4	—	—	—	-47.4
Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-52.2	-52.2	—	—	—	-52.2
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-19.5	-19.5	—	—	—	-19.5
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-134	-134	—	—	—	-134
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-37.2	-37.2	—	—	—	-37.2
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-4.58	-4.58	—	—	—	-4.58
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-6.23	-6.23	—	—	—	-6.23
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-7.81	-7.81	—	—	—	-7.81
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-53.3	-53.3	—	—	—	-53.3

Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-27.9	-27.9	—	—	—	-27.9
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-1,013	-1,013	—	—	—	-1,013
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Tulip tree(Liriodendron tulipifera)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Littleleaf linden(Tilia cordata)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.21	—	-0.15	-0.03	-0.03	-0.07	-0.01	-0.01	-0.02	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-1,363	-1,363	—	—	—	-1,363
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-23.5	-23.5	—	—	—	-23.5
Red maple(Acer rubrum)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-36.1	-36.1	—	—	—	-36.1
Freeman maple(Acer x freemanii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-11.8	-11.8	—	—	—	-11.8

Strawberry tree(Arbunedo)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-15.1	-15.1	—	—	—	-15.1
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.44	-6.44	—	—	—	-6.44
White ash(Fraxinus americana)	—	-0.03	> -0.005	—	-0.01	-0.04	-0.04	-0.08	-0.01	-0.01	-0.02	—	-51.6	-51.6	—	—	—	-51.6
Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-6.39	-6.39	—	—	—	-6.39
Tulip tree(Liriodendron tulipifera)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-14.0	-14.0	—	—	—	-14.0
Southern magnolia(Magnolia grandiflora)	—	-0.02	> -0.005	—	-0.01	-0.02	-0.02	-0.04	-0.01	-0.01	-0.01	—	-30.4	-30.4	—	—	—	-30.4
Pinyon pine(Pinus edulis)	—	-0.01	> -0.005	—	-0.01	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-22.0	-22.0	—	—	—	-22.0
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-6.99	-6.99	—	—	—	-6.99
Scarlet oak(Quercus coccinea)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-10.2	-10.2	—	—	—	-10.2
Holly oak(Quercus ilex)	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-22.8	-22.8	—	—	—	-22.8

Oak spp(Quercus)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-7.64	-7.64	—	—	—	-7.64
Willow oak(Quercus phellos)	—	-0.02	> -0.005	—	-0.01	-0.03	-0.03	-0.05	-0.01	-0.01	-0.01	—	-32.4	-32.4	—	—	—	-32.4
Shumard oak(Quercus shumardii)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	-16.6	-16.6	—	—	—	-16.6
Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.13	-4.13	—	—	—	-4.13
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.85	-4.85	—	—	—	-4.85
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.58	-1.58	—	—	—	-1.58
Littleleaf linden(Tilia cordata)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	> -0.005	—	-11.4	-11.4	—	—	—	-11.4
Chitalpa (x Chitalpa tashkentensis)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.02	> -0.005	> -0.005	-0.01	—	-13.8	-13.8	—	—	—	-13.8
Subtotal	—	-0.23	-0.03	—	-0.09	-0.27	-0.27	-0.53	-0.07	-0.07	-0.14	—	-350	-350	—	—	—	-350
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-89.6	-89.6	—	—	—	-89.6

Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-166	-166	—	—	—	-166
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-39.2	-39.2	—	—	—	-39.2
Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-11.9	-11.9	—	—	—	-11.9
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-15.3	-15.3	—	—	—	-15.3
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-126	-126	—	—	—	-126
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-33.5	-33.5	—	—	—	-33.5
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-42.3	-42.3	—	—	—	-42.3
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-69.4	-69.4	—	—	—	-69.4
Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-14.2	-14.2	—	—	—	-14.2

London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-15.7	-15.7	—	—	—	-15.7
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-47.4	-47.4	—	—	—	-47.4
Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-52.2	-52.2	—	—	—	-52.2
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-19.5	-19.5	—	—	—	-19.5
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-134	-134	—	—	—	-134
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-37.2	-37.2	—	—	—	-37.2
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-4.58	-4.58	—	—	—	-4.58
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-6.23	-6.23	—	—	—	-6.23
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-7.81	-7.81	—	—	—	-7.81
Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-53.3	-53.3	—	—	—	-53.3

Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-27.9	-27.9	—	—	—	-27.9
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-1,013	-1,013	—	—	—	-1,013
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Wilga; australian willow(Geijera parviflora)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Tulip tree(Liriodendron tulipifera)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.03	—	-0.02	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Littleleaf linden(Tilia cordata)	—	—	-0.01	—	-0.01	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.21	—	-0.15	-0.03	-0.03	-0.07	-0.01	-0.01	-0.02	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.23	-0.23	—	-0.24	-0.30	-0.30	-0.60	-0.08	-0.08	-0.16	—	-1,363	-1,363	—	—	—	-1,363
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.90	-3.90	—	—	—	-3.90
Red maple(Acer rubrum)	—	> -0.005	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-5.98	-5.98	—	—	—	-5.98
Freeman maple(Acer x freemanii)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.96	-1.96	—	—	—	-1.96

Strawberry tree(Arbutus unedo)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.50	-2.50	—	—	—	-2.50
European hornbeam(Carpinus betulus)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.07	-1.07	—	—	—	-1.07
White ash(Fraxinus americana)	—	-0.01	> -0.005	—	> -0.005	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-8.54	-8.54	—	—	—	-8.54
Wilga; australian willow(Geijera parviflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.06	-1.06	—	—	—	-1.06
Tulip tree(Liriodendron tulipifera)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.32	-2.32	—	—	—	-2.32
Southern magnolia(Magnolia grandiflora)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.03	-5.03	—	—	—	-5.03
Pinyon pine(Pinus edulis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.64	-3.64	—	—	—	-3.64
London planetree(Platanus x hybrida)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.16	-1.16	—	—	—	-1.16
Scarlet oak(Quercus coccinea)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.69	-1.69	—	—	—	-1.69

Holly oak(Quercus ilex)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-3.78	-3.78	—	—	—	-3.78
Oak spp(Quercus)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.26	-1.26	—	—	—	-1.26
Willow oak(Quercus phellos)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.37	-5.37	—	—	—	-5.37
Shumard oak(Quercus shumardii)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.74	-2.74	—	—	—	-2.74
Cork oak(Quercus suber)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.68	-0.68	—	—	—	-0.68
Interior live oak(Quercus wislizeni)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.80	-0.80	—	—	—	-0.80
Weeping willow(Salix x sepulcralis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.26	-0.26	—	—	—	-0.26
Littleleaf linden(Tilia cordata)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.89	-1.89	—	—	—	-1.89
Chitalpa (x Chitalpa tashkentensis)	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-2.28	-2.28	—	—	—	-2.28
Subtotal	—	-0.04	> -0.005	—	-0.02	-0.05	-0.05	-0.10	-0.01	-0.01	-0.03	—	-57.9	-57.9	—	—	—	-57.9
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Norway maple(Acer platanoides)	—	—	—	—	—	—	—	—	—	—	—	—	-14.8	-14.8	—	—	—	-14.8
Red maple(Acer rubrum)	—	—	—	—	—	—	—	—	—	—	—	—	-27.5	-27.5	—	—	—	-27.5
Freeman maple(Acer x freemanii)	—	—	—	—	—	—	—	—	—	—	—	—	-6.49	-6.49	—	—	—	-6.49
Strawberry tree(Arbutus unedo)	—	—	—	—	—	—	—	—	—	—	—	—	-1.97	-1.97	—	—	—	-1.97
European hornbeam(Carpinus betulus)	—	—	—	—	—	—	—	—	—	—	—	—	-2.54	-2.54	—	—	—	-2.54
White ash(Fraxinus americana)	—	—	—	—	—	—	—	—	—	—	—	—	-20.8	-20.8	—	—	—	-20.8
Wilga; australian willow(Geijera parviflora)	—	—	—	—	—	—	—	—	—	—	—	—	-5.55	-5.55	—	—	—	-5.55
Tulip tree(Liriodendron tulipifera)	—	—	—	—	—	—	—	—	—	—	—	—	-7.01	-7.01	—	—	—	-7.01
Southern magnolia(Magnolia grandiflora)	—	—	—	—	—	—	—	—	—	—	—	—	-11.5	-11.5	—	—	—	-11.5

Pinyon pine(Pinus edulis)	—	—	—	—	—	—	—	—	—	—	—	—	-2.35	-2.35	—	—	—	-2.35
London planetree(Platanus x hybrida)	—	—	—	—	—	—	—	—	—	—	—	—	-2.59	-2.59	—	—	—	-2.59
Scarlet oak(Quercus coccinea)	—	—	—	—	—	—	—	—	—	—	—	—	-7.85	-7.85	—	—	—	-7.85
Holly oak(Quercus ilex)	—	—	—	—	—	—	—	—	—	—	—	—	-8.64	-8.64	—	—	—	-8.64
Oak spp(Quercus)	—	—	—	—	—	—	—	—	—	—	—	—	-3.23	-3.23	—	—	—	-3.23
Willow oak(Quercus phellos)	—	—	—	—	—	—	—	—	—	—	—	—	-22.1	-22.1	—	—	—	-22.1
Shumard oak(Quercus shumardii)	—	—	—	—	—	—	—	—	—	—	—	—	-6.16	-6.16	—	—	—	-6.16
Cork oak(Quercus suber)	—	—	—	—	—	—	—	—	—	—	—	—	-0.76	-0.76	—	—	—	-0.76
Interior live oak(Quercus wislizeni)	—	—	—	—	—	—	—	—	—	—	—	—	-1.03	-1.03	—	—	—	-1.03
Weeping willow(Salix x sepulcralis)	—	—	—	—	—	—	—	—	—	—	—	—	-1.29	-1.29	—	—	—	-1.29

Littleleaf linden(Tilia cordata)	—	—	—	—	—	—	—	—	—	—	—	—	-8.83	-8.83	—	—	—	-8.83
Chitalpa (x Chitalpa tashkentensis)	—	—	—	—	—	—	—	—	—	—	—	—	-4.62	-4.62	—	—	—	-4.62
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-168	-168	—	—	—	-168
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Norway maple(Acer platanoides)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Red maple(Acer rubrum)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Freeman maple(Acer x freemanii)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Strawberry tree(Arbutus unedo)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
European hornbeam(Carpinus betulus)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
White ash(Fraxinus americana)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Wilga; australian willow(Geijera parviflora)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Tulip tree(Liriodendron tulipifera)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Southern magnolia(Magnolia grandiflora)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Pinyon pine(Pinus edulis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
London planetree(Platanus x hybrida)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Scarlet oak(Quercus coccinea)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Holly oak(Quercus ilex)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak spp(Quercus)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Willow oak(Quercus phellos)	—	—	-0.01	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Shumard oak(Quercus shumardii)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Cork oak(Quercus suber)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Interior live oak(Quercus wislizeni)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Weeping willow(Salix x sepulcralis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Littleleaf linden(Tilia cordata)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Chitalpa (x Chitalpa tashkentensis)	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.04	—	-0.03	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.04	-0.04	—	-0.04	-0.05	-0.05	-0.11	-0.01	-0.01	-0.03	—	-226	-226	—	—	—	-226

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	4/1/2027	5/26/2027	5.00	40.0	—
Grading	Grading	5/27/2027	12/8/2027	5.00	140	—
Building Construction	Building Construction	10/11/2029	4/18/2035	5.00	1,440	—
Paving	Paving	12/9/2027	10/10/2029	5.00	480	—
Architectural Coating	Architectural Coating	10/25/2029	5/2/2035	5.00	1,440	—

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
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	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	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
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
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Back	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Dumpers/Tenders	Diesel	Average	1.00	8.00	16.0	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/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
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
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	27.5	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	648	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	135	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	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	130	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
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	27.5	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	648	14.3	LDA,LDT1,LDT2
Building Construction	Vendor	135	8.80	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	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	130	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	3,915,702	1,305,234	31,200	10,400	5,985

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	60.0	0.00	—
Grading	—	400,000	490	0.00	—
Paving	0.00	0.00	0.00	0.00	10.1

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	7.85	0%
Apartments Low Rise	—	0%
Apartments Mid Rise	—	0%
Day-Care Center	0.00	0%
Parking Lot	2.29	100%
Fast Food Restaurant w/o Drive Thru	0.00	0%
City Park	0.00	0%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	204	0.03	< 0.005

2028	0.00	204	0.03	< 0.005
2029	0.00	204	0.03	< 0.005
2030	0.00	204	0.03	< 0.005
2031	0.00	204	0.03	< 0.005
2032	0.00	204	0.03	< 0.005
2033	0.00	204	0.03	< 0.005
2034	0.00	204	0.03	< 0.005
2035	0.00	204	0.03	< 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
Single Family Housing	6,301	6,301	6,301	2,299,938	46,115	46,115	46,115	16,832,085
Apartments Low Rise	1,823	1,823	1,823	665,410	13,342	13,342	13,342	4,869,797
Apartments Mid Rise	1,130	1,130	1,130	412,450	8,270	8,270	8,270	3,018,513
Day-Care Center	282	282	282	102,811	2,263	2,263	2,263	825,837
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	255	255	255	93,203	2,051	2,051	2,051	748,661
City Park	620	620	620	226,397	4,982	4,982	4,982	1,818,558
City Park	0.00	0.00	0.00	0.00	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

Single Family Housing	6,301	6,301	6,301	2,299,938	46,115	46,115	46,115	16,832,085
Apartments Low Rise	1,823	1,823	1,823	665,410	13,342	13,342	13,342	4,869,797
Apartments Mid Rise	1,130	1,130	1,130	412,450	8,270	8,270	8,270	3,018,513
Day-Care Center	282	282	282	102,811	2,263	2,263	2,263	825,837
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	255	255	255	93,203	2,051	2,051	2,051	748,661
City Park	620	620	620	226,397	4,982	4,982	4,982	1,818,558
City Park	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

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	712
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	288
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	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	250
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0

No Fireplaces	712
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Low Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	288
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	0
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	250
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)
3915702	1,305,234	31,200	10,400	5,985

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	6,070,305	204	0.0330	0.0040	0.00
Apartments Low Rise	1,280,122	204	0.0330	0.0040	0.00
Apartments Mid Rise	1,129,453	204	0.0330	0.0040	0.00
Day-Care Center	28,874	204	0.0330	0.0040	272,212
Parking Lot	87,383	204	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	200,768	204	0.0330	0.0040	609,254
City Park	0.00	204	0.0330	0.0040	0.00
City Park	0.00	204	0.0330	0.0040	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)
Single Family Housing	4,229,880	204	0.0330	0.0040	0.00
Apartments Low Rise	0.00	204	0.0330	0.0040	0.00
Apartments Mid Rise	0.00	204	0.0330	0.0040	0.00
Day-Care Center	28,874	204	0.0330	0.0040	272,212
Parking Lot	87,383	204	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	200,768	204	0.0330	0.0040	609,254
City Park	0.00	204	0.0330	0.0040	0.00
City Park	0.00	204	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)
Single Family Housing	24,835,432	56,321,355
Apartments Low Rise	10,045,793	0.00
Apartments Mid Rise	8,720,306	0.00
Day-Care Center	270,204	0.00
Parking Lot	0.00	0.00
Fast Food Restaurant w/o Drive Thru	1,517,669	0.00
City Park	0.00	24,564,445
City Park	0.00	63,489,643

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

Single Family Housing	24,835,432	56,321,355
Apartments Low Rise	10,045,793	0.00
Apartments Mid Rise	8,720,306	0.00
Day-Care Center	270,204	0.00
Parking Lot	0.00	0.00
Fast Food Restaurant w/o Drive Thru	1,517,669	0.00
City Park	0.00	24,564,445
City Park	0.00	63,489,643

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	466	—
Apartments Low Rise	213	—
Apartments Mid Rise	185	—
Day-Care Center	8.19	—
Parking Lot	0.00	—
Fast Food Restaurant w/o Drive Thru	57.6	—
City Park	1.65	—
City Park	4.33	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	466	—
Apartments Low Rise	213	—
Apartments Mid Rise	185	—
Day-Care Center	8.19	—

Parking Lot	0.00	—
Fast Food Restaurant w/o Drive Thru	57.6	—
City Park	1.65	—
City Park	4.33	—

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
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Low 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 Low Rise	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
Day-Care Center	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Day-Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Day-Care Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00

Day-Care Center	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Low 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 Low Rise	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
Day-Care Center	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Day-Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Day-Care Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
Day-Care Center	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	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

5.15.2. Mitigated

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

5.16.2. Process Boilers

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

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
Cropland	Inceptisols	232	0.00

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
Cropland	Inceptisols	232	0.00

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

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)
Norway maple(Acer platanoides)	185	573,759	691
Red maple(Acer rubrum)	226	880,283	1,062
Freeman maple(Acer x freemanii)	77.0	288,237	348
Strawberry tree(Arbutus unedo)	79.0	306,104	773
European hornbeam(Carpinus betulus)	91.0	156,483	191
White ash(Fraxinus americana)	323	1,256,677	1,518
Wilga; australian willow(Geijera parviflora)	125	150,236	218
Tulip tree(Liriodendron tulipifera)	76.0	341,388	413
Southern magnolia(Magnolia grandiflora)	70.0	222,621	568
Southern magnolia(Magnolia grandiflora)	123	391,177	998
Pinyon pine(Pinus edulis)	123	446,166	1,122
London planetree(Platanus x hybrida)	64.0	170,177	206
Scarlet oak(Quercus coccinea)	64.0	248,497	301

Holly oak(Quercus ilex)	113	460,648	1,183
Oak spp(Quercus)	53.0	186,170	225
Willow oak(Quercus phellos)	221	789,333	955
Shumard oak(Quercus shumardii)	115	403,955	487
Cork oak(Quercus suber)	23.0	83,562	212
Interior live oak(Quercus wislizeni)	27.0	98,095	249
Weeping willow(Salix x sepulcralis)	12.0	38,541	46.5
Littleleaf linden(Tilia cordata)	183	276,712	339
Chitalpa(x Chitalpa tashkentensis)	122	335,933	404

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Norway maple(Acer platanoides)	185	573,759	691
Red maple(Acer rubrum)	226	880,283	1,062
Freeman maple(Acer x freemanii)	77.0	288,237	348
Strawberry tree(Arbutus unedo)	79.0	306,104	773
European hornbeam(Carpinus betulus)	91.0	156,483	191
White ash(Fraxinus americana)	323	1,256,677	1,518
Wilga; australian willow(Geijera parviflora)	125	150,236	218
Tulip tree(Liriodendron tulipifera)	76.0	341,388	413
Southern magnolia(Magnolia grandiflora)	70.0	222,621	568
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Shumard oak(Quercus shumardii)	115	403,955	487
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Interior live oak(Quercus wislizeni)	27.0	98,095	249
Weeping willow(Salix x sepulcralis)	12.0	38,541	46.5
Littleleaf linden(Tilia cordata)	183	276,712	339
Chitalpa(x Chitalpa tashkentensis)	122	335,933	404

8. User Changes to Default Data

Screen	Justification
Land Use	Building square footage and acreage adjusted to represent project-specific information. To be consistent with the project description, the Single Family Housing was chosen for the low density housing, Apartments Low Rise chosen for medium density, and Apartments Mid Rise for high density. All landscaped square feet associated with the project was added to the Single Family Housing land use. Additionally, the Street, Alley, and Landscape Corridor acres were accounted for in the lot acreage of the Single Family Housing. The retail land use currently listed within the project description is a coffee shop/cafe, therefore the Fast Food Restaurant w/o Drive Thru was chosen. The 19.5 acre City Park is representative of Recreational Community Center (9,500 building sf), Softball/Multi-Use Fields, and Pickleball Courts, while the 51.7 acre City Park is representative of the Urban Agricultural Transition Area and the Neighborhood Greenbelt.
Construction: Construction Phases	Based on typical construction practices, architectural coating assumed to start two weeks after the start of building construction and last for the same number of days. Demolition not required for the proposed project. The phase timing for the project is based on the project specific construction schedule provided by the applicant.
Operations: Road Dust	All roads within the project scale are paved.
Construction: Off-Road Equipment	Equipment added to grading phase to account for on-site soil movement.
Construction: On-Road Fugitive Dust	All roads in project vicinity are paved.
Construction: Trips and VMT	Soil movement during grading would occur on-site only. Thus, hauling trips have been adjusted for the grading phase to account for only on-site soil movement.
Operations: Vehicle Data	Trip rates and VMT adjusted to be consistent with traffic report prepared for the proposed project.
Operations: Energy Use	The project would utilize all electric homes, thus natural gas was zeroed out for residential land uses.

Operations: Architectural Coatings	Mitigation Measure 4.3-2 would require use of No-VOT architectural coatings.