

Bolsa Chica Senior Living Community Project - Modified Proposed Project Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Bolsa Chica Senior Living Community Project - Modified Proposed Project
Construction Start Date	10/6/2025
Operational Year	2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.30
Precipitation (days)	19.2
Location	33.714660168070935, -118.04204017977534
County	Orange
City	Huntington Beach
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5855
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.23

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

Congregate Care (Assisted Living)	159	Dwelling Unit	2.95	166,000	17,300	—	474	—
Enclosed Parking with Elevator	85.0	Space	0.00	34,000	0.00	—	—	—
Parking Lot	19.0	Space	0.15	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Water	W-5	Design Water-Efficient Landscapes

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.29	21.3	26.0	0.03	0.76	2.95	3.71	0.71	0.70	1.41	—	5,924	5,924	0.17	0.22	6,002
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.40	39.9	29.2	0.07	1.12	7.89	9.01	1.02	3.99	5.01	—	9,591	9,591	0.58	1.05	9,919
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.86	15.9	17.0	0.02	0.53	2.19	2.72	0.49	0.64	1.13	—	4,217	4,217	0.15	0.20	4,284
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.52	2.91	3.11	< 0.005	0.10	0.40	0.50	0.09	0.12	0.21	—	698	698	0.02	0.03	709

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.26	20.2	24.4	0.03	0.69	2.61	3.30	0.65	0.62	1.27	—	5,514	5,514	0.16	0.21	5,590
2027	5.29	21.3	26.0	0.03	0.76	2.95	3.71	0.71	0.70	1.41	—	5,924	5,924	0.17	0.22	6,002
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.13	39.9	29.2	0.05	1.12	7.89	9.01	1.02	3.99	5.01	—	5,516	5,516	0.27	0.31	5,537
2026	5.40	39.9	29.1	0.07	1.12	7.89	9.01	1.02	3.99	5.01	—	9,591	9,591	0.58	1.05	9,919
2027	5.29	21.3	24.6	0.03	0.76	2.95	3.71	0.71	0.70	1.41	—	5,794	5,794	0.17	0.22	5,862
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.15	5.21	3.81	0.01	0.15	0.54	0.70	0.14	0.22	0.36	—	915	915	0.04	0.04	928
2026	1.52	15.9	17.0	0.02	0.53	2.19	2.72	0.49	0.64	1.13	—	4,217	4,217	0.15	0.20	4,284
2027	2.86	11.1	12.9	0.02	0.40	1.47	1.87	0.37	0.35	0.72	—	2,976	2,976	0.09	0.11	3,013
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.03	0.95	0.69	< 0.005	0.03	0.10	0.13	0.03	0.04	0.07	—	151	151	0.01	0.01	154
2026	0.28	2.91	3.11	< 0.005	0.10	0.40	0.50	0.09	0.12	0.21	—	698	698	0.02	0.03	709
2027	0.52	2.03	2.35	< 0.005	0.07	0.27	0.34	0.07	0.06	0.13	—	493	493	0.01	0.02	499

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.26	20.2	24.4	0.03	0.69	2.61	3.30	0.65	0.62	1.27	—	5,514	5,514	0.16	0.21	5,590
2027	5.29	21.3	26.0	0.03	0.76	2.95	3.71	0.71	0.70	1.41	—	5,924	5,924	0.17	0.22	6,002
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.13	39.9	29.2	0.05	1.12	7.89	9.01	1.02	3.99	5.01	—	5,516	5,516	0.27	0.31	5,537
2026	5.40	39.9	29.1	0.07	1.12	7.89	9.01	1.02	3.99	5.01	—	9,591	9,591	0.58	1.05	9,919
2027	5.29	21.3	24.6	0.03	0.76	2.95	3.71	0.71	0.70	1.41	—	5,794	5,794	0.17	0.22	5,862
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.15	5.21	3.81	0.01	0.15	0.54	0.70	0.14	0.22	0.36	—	915	915	0.04	0.04	928
2026	1.52	15.9	17.0	0.02	0.53	2.19	2.72	0.49	0.64	1.13	—	4,217	4,217	0.15	0.20	4,284
2027	2.86	11.1	12.9	0.02	0.40	1.47	1.87	0.37	0.35	0.72	—	2,976	2,976	0.09	0.11	3,013
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.03	0.95	0.69	< 0.005	0.03	0.10	0.13	0.03	0.04	0.07	—	151	151	0.01	0.01	154
2026	0.28	2.91	3.11	< 0.005	0.10	0.40	0.50	0.09	0.12	0.21	—	698	698	0.02	0.03	709
2027	0.52	2.03	2.35	< 0.005	0.07	0.27	0.34	0.07	0.06	0.13	—	493	493	0.01	0.02	499

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.70	4.48	25.9	0.06	0.28	3.63	3.91	0.28	0.92	1.20	245	8,671	8,916	24.8	0.18	9,605
Mit.	6.70	4.48	25.9	0.06	0.28	3.63	3.91	0.28	0.92	1.20	245	8,670	8,915	24.8	0.18	9,604

% Reduced	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.65	4.48	14.3	0.05	0.27	3.63	3.91	0.27	0.92	1.19	245	8,493	8,738	24.8	0.19	9,418
Mit.	5.65	4.48	14.3	0.05	0.27	3.63	3.91	0.27	0.92	1.19	245	8,492	8,737	24.8	0.19	9,417
% Reduced	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	—	—	< 0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.21	2.30	20.9	0.04	0.09	3.59	3.68	0.09	0.91	1.00	245	5,687	5,932	24.8	0.19	6,614
Mit.	6.21	2.30	20.9	0.04	0.09	3.59	3.68	0.09	0.91	1.00	245	5,686	5,931	24.8	0.19	6,613
% Reduced	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.13	0.42	3.81	0.01	0.02	0.66	0.67	0.02	0.17	0.18	40.5	942	982	4.10	0.03	1,095
Mit.	1.13	0.42	3.81	0.01	0.02	0.66	0.67	0.02	0.17	0.18	40.5	941	982	4.10	0.03	1,095
% Reduced	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.53	1.17	13.9	0.04	0.02	3.63	3.66	0.02	0.92	0.94	—	3,834	3,834	0.16	0.14	3,891
Area	5.01	2.52	11.5	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,106	3,106	0.06	0.01	3,110

Energy	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,607	1,607	0.11	0.01	1,612
Water	—	—	—	—	—	—	—	—	—	—	11.4	61.3	72.8	1.18	0.03	111
Waste	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Stationary	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	63.0	63.0	< 0.005	< 0.005	63.2
Total	6.70	4.48	25.9	0.06	0.28	3.63	3.91	0.28	0.92	1.20	245	8,671	8,916	24.8	0.18	9,605
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.52	1.27	12.8	0.04	0.02	3.63	3.66	0.02	0.92	0.94	—	3,686	3,686	0.16	0.15	3,734
Area	3.98	2.42	1.03	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,076	3,076	0.06	0.01	3,079
Energy	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,607	1,607	0.11	0.01	1,612
Water	—	—	—	—	—	—	—	—	—	—	11.4	61.3	72.8	1.18	0.03	111
Waste	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Stationary	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	63.0	63.0	< 0.005	< 0.005	63.2
Total	5.65	4.48	14.3	0.05	0.27	3.63	3.91	0.27	0.92	1.19	245	8,493	8,738	24.8	0.19	9,418
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.51	1.28	13.1	0.04	0.02	3.59	3.61	0.02	0.91	0.93	—	3,726	3,726	0.16	0.15	3,779
Area	4.56	0.23	7.27	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	231	231	< 0.005	< 0.005	232
Energy	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,607	1,607	0.11	0.01	1,612
Water	—	—	—	—	—	—	—	—	—	—	11.4	61.3	72.8	1.18	0.03	111
Waste	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Stationary	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	61.6	61.6	< 0.005	< 0.005	61.8
Total	6.21	2.30	20.9	0.04	0.09	3.59	3.68	0.09	0.91	1.00	245	5,687	5,932	24.8	0.19	6,614
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.28	0.23	2.40	0.01	< 0.005	0.66	0.66	< 0.005	0.17	0.17	—	617	617	0.03	0.02	626

Area	0.83	0.04	1.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	38.3	38.3	< 0.005	< 0.005	38.4
Energy	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	266	266	0.02	< 0.005	267
Water	—	—	—	—	—	—	—	—	—	—	1.89	10.2	12.0	0.19	< 0.005	18.3
Waste	—	—	—	—	—	—	—	—	—	—	38.6	0.00	38.6	3.86	0.00	135
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35
Stationary	0.02	0.06	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	10.2	10.2	< 0.005	< 0.005	10.2
Total	1.13	0.42	3.81	0.01	0.02	0.66	0.67	0.02	0.17	0.18	40.5	942	982	4.10	0.03	1,095

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.53	1.17	13.9	0.04	0.02	3.63	3.66	0.02	0.92	0.94	—	3,834	3,834	0.16	0.14	3,891
Area	5.01	2.52	11.5	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,106	3,106	0.06	0.01	3,110
Energy	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,607	1,607	0.11	0.01	1,612
Water	—	—	—	—	—	—	—	—	—	—	11.4	60.3	71.8	1.18	0.03	110
Waste	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Stationary	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	63.0	63.0	< 0.005	< 0.005	63.2
Total	6.70	4.48	25.9	0.06	0.28	3.63	3.91	0.28	0.92	1.20	245	8,670	8,915	24.8	0.18	9,604
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.52	1.27	12.8	0.04	0.02	3.63	3.66	0.02	0.92	0.94	—	3,686	3,686	0.16	0.15	3,734
Area	3.98	2.42	1.03	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,076	3,076	0.06	0.01	3,079
Energy	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,607	1,607	0.11	0.01	1,612
Water	—	—	—	—	—	—	—	—	—	—	11.4	60.3	71.8	1.18	0.03	110

Waste	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Stationary	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	63.0	63.0	< 0.005	< 0.005	63.2
Total	5.65	4.48	14.3	0.05	0.27	3.63	3.91	0.27	0.92	1.19	245	8,492	8,737	24.8	0.19	9,417
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.51	1.28	13.1	0.04	0.02	3.59	3.61	0.02	0.91	0.93	—	3,726	3,726	0.16	0.15	3,779
Area	4.56	0.23	7.27	< 0.005	0.02	—	0.02	0.02	—	0.02	0.00	231	231	< 0.005	< 0.005	232
Energy	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	1,607	1,607	0.11	0.01	1,612
Water	—	—	—	—	—	—	—	—	—	—	11.4	60.3	71.8	1.18	0.03	110
Waste	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Stationary	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	61.6	61.6	< 0.005	< 0.005	61.8
Total	6.21	2.30	20.9	0.04	0.09	3.59	3.68	0.09	0.91	1.00	245	5,686	5,931	24.8	0.19	6,613
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.28	0.23	2.40	0.01	< 0.005	0.66	0.66	< 0.005	0.17	0.17	—	617	617	0.03	0.02	626
Area	0.83	0.04	1.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	38.3	38.3	< 0.005	< 0.005	38.4
Energy	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	266	266	0.02	< 0.005	267
Water	—	—	—	—	—	—	—	—	—	—	1.89	9.99	11.9	0.19	< 0.005	18.1
Waste	—	—	—	—	—	—	—	—	—	—	38.6	0.00	38.6	3.86	0.00	135
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35
Stationary	0.02	0.06	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	10.2	10.2	< 0.005	< 0.005	10.2
Total	1.13	0.42	3.81	0.01	0.02	0.66	0.67	0.02	0.17	0.18	40.5	941	982	4.10	0.03	1,095

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	24.9	18.2	0.03	0.79	—	0.79	0.71	—	0.71	—	3,425	3,425	0.14	0.03	3,437
Demolition	—	—	—	—	—	0.77	0.77	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	3.08	2.24	< 0.005	0.10	—	0.10	0.09	—	0.09	—	422	422	0.02	< 0.005	424
Demolition	—	—	—	—	—	0.10	0.10	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.56	0.41	< 0.005	0.02	—	0.02	0.02	—	0.02	—	69.9	69.9	< 0.005	< 0.005	70.1
Demolition	—	—	—	—	—	0.02	0.02	—	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	2.01	0.82	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,700	1,700	0.13	0.28	1,785
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.7	23.7	< 0.005	< 0.005	24.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.25	0.10	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	210	210	0.02	0.03	220
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.92	3.92	< 0.005	< 0.005	3.97
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.7	34.7	< 0.005	0.01	36.5

3.2. Demolition (2025) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	24.9	18.2	0.03	0.79	—	0.79	0.71	—	0.71	—	3,425	3,425	0.14	0.03	3,437
Demolition	—	—	—	—	—	0.77	0.77	—	0.12	0.12	—	—	—	—	—	—

Bolsa Chica Senior Living Community Project - Modified Proposed Project Custom Report, 5/28/2024

Onsite truck	0.00	0.00	0.00	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	3.08	2.24	< 0.005	0.10	—	0.10	0.09	—	0.09	—	422	422	0.02	< 0.005	424
Demolition	—	—	—	—	—	0.10	0.10	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.56	0.41	< 0.005	0.02	—	0.02	0.02	—	0.02	—	69.9	69.9	< 0.005	< 0.005	70.1
Demolition	—	—	—	—	—	0.02	0.02	—	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	2.01	0.82	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,700	1,700	0.13	0.28	1,785
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.09	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.7	23.7	< 0.005	< 0.005	24.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.25	0.10	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	210	210	0.02	0.03	220
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.92	3.92	< 0.005	< 0.005	3.97

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.7	34.7	< 0.005	0.01	36.5

3.3. Site Preparation (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	39.9	28.3	0.05	1.12	—	1.12	1.02	—	1.02	—	5,295	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.05	1.87	1.33	< 0.005	0.05	—	0.05	0.05	—	0.05	—	249	249	0.01	< 0.005	250
Dust From Material Movement	—	—	—	—	—	0.36	0.36	—	0.19	0.19	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.34	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.2	41.2	< 0.005	< 0.005	41.3

Dust From Material Movement	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.06	0.07	0.85	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	221	221	< 0.005	0.01	224
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	10.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	1.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Site Preparation (2025) - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	39.9	28.3	0.05	1.12	—	1.12	1.02	—	1.02	—	5,295	5,295	0.21	0.04	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.05	1.87	1.33	< 0.005	0.05	—	0.05	0.05	—	0.05	—	249	249	0.01	< 0.005	250
Dust From Material Movement	—	—	—	—	—	0.36	0.36	—	0.19	0.19	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.34	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	41.2	41.2	< 0.005	< 0.005	41.3
Dust From Material Movement	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.06	0.07	0.85	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	221	221	< 0.005	0.01	224
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.5	10.5	< 0.005	< 0.005	10.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	1.77
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Site Preparation (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	39.9	28.3	0.05	1.12	—	1.12	1.02	—	1.02	—	5,298	5,298	0.21	0.04	5,316
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	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	1.25	0.89	< 0.005	0.03	—	0.03	0.03	—	0.03	—	166	166	0.01	< 0.005	166
Dust From Material Movement	—	—	—	—	—	0.24	0.24	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.23	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.5	27.5	< 0.005	< 0.005	27.6
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.06	0.06	0.80	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.88	6.88	< 0.005	< 0.005	6.97
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	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	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.14	1.14	< 0.005	< 0.005	1.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Site Preparation (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	39.9	28.3	0.05	1.12	—	1.12	1.02	—	1.02	—	5,298	5,298	0.21	0.04	5,316
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	1.25	0.89	< 0.005	0.03	—	0.03	0.03	—	0.03	—	166	166	0.01	< 0.005	166
Dust From Material Movement	—	—	—	—	—	0.24	0.24	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.23	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.5	27.5	< 0.005	< 0.005	27.6
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.06	0.06	0.80	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.88	6.88	< 0.005	< 0.005	6.97
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.14	1.14	< 0.005	< 0.005	1.15
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Grading (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	23.2	17.8	0.03	0.75	—	0.75	0.69	—	0.69	—	2,960	2,960	0.12	0.02	2,970
Dust From Material Movement	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.05	1.59	1.22	< 0.005	0.05	—	0.05	0.05	—	0.05	—	203	203	0.01	< 0.005	203
Dust From Material Movement	—	—	—	—	—	0.19	0.19	—	0.09	0.09	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.29	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	33.6	33.6	< 0.005	< 0.005	33.7
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	7.47	3.04	0.04	0.08	1.72	1.80	0.08	0.48	0.57	—	6,446	6,446	0.46	1.02	6,762
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	13.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.52	0.21	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	441	441	0.03	0.07	463
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	2.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.1	73.1	0.01	0.01	76.7

3.8. Grading (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	23.2	17.8	0.03	0.75	—	0.75	0.69	—	0.69	—	2,960	2,960	0.12	0.02	2,970

Dust From Material Movement	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.05	1.59	1.22	< 0.005	0.05	—	0.05	0.05	—	0.05	—	203	203	0.01	< 0.005	203
Dust From Material Movement	—	—	—	—	—	0.19	0.19	—	0.09	0.09	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.29	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	33.6	33.6	< 0.005	< 0.005	33.7
Dust From Material Movement	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	7.47	3.04	0.04	0.08	1.72	1.80	0.08	0.48	0.57	—	6,446	6,446	0.46	1.02	6,762
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	13.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.52	0.21	< 0.005	0.01	0.12	0.12	0.01	0.03	0.04	—	441	441	0.03	0.07	463
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	2.16
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.09	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.1	73.1	0.01	0.01	76.7

3.9. Building Construction (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	11.5	8.73	0.01	0.42	—	0.42	0.39	—	0.39	—	1,464	1,464	0.06	0.01	1,469

Bolsa Chica Senior Living Community Project - Modified Proposed Project Custom Report, 5/28/2024

Onsite truck	0.00	0.00	0.00	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	2.10	1.59	< 0.005	0.08	—	0.08	0.07	—	0.07	—	242	242	0.01	< 0.005	243
Onsite truck	0.00	0.00	0.00	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	0.62	0.56	9.75	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,409	2,409	0.03	0.09	2,444
Vendor	0.02	0.72	0.36	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	708	708	0.04	0.10	740
Hauling	0.00	0.00	0.00	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	0.62	0.65	8.41	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,293	2,293	0.03	0.09	2,320
Vendor	0.01	0.75	0.37	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	708	708	0.04	0.10	739
Hauling	0.00	0.00	0.00	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	0.38	0.39	5.34	0.00	0.00	1.46	1.46	0.00	0.34	0.34	—	1,419	1,419	0.02	0.05	1,438
Vendor	0.01	0.46	0.22	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	432	432	0.02	0.06	452
Hauling	0.00	0.00	0.00	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	0.07	0.07	0.97	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	235	235	< 0.005	0.01	238
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	71.6	71.6	< 0.005	0.01	74.8
Hauling	0.00	0.00	0.00	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 (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	11.5	8.73	0.01	0.42	—	0.42	0.39	—	0.39	—	1,464	1,464	0.06	0.01	1,469
Onsite truck	0.00	0.00	0.00	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	2.10	1.59	< 0.005	0.08	—	0.08	0.07	—	0.07	—	242	242	0.01	< 0.005	243
Onsite truck	0.00	0.00	0.00	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	0.62	0.56	9.75	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,409	2,409	0.03	0.09	2,444
Vendor	0.02	0.72	0.36	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	708	708	0.04	0.10	740
Hauling	0.00	0.00	0.00	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	0.62	0.65	8.41	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,293	2,293	0.03	0.09	2,320
Vendor	0.01	0.75	0.37	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	708	708	0.04	0.10	739
Hauling	0.00	0.00	0.00	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	0.38	0.39	5.34	0.00	0.00	1.46	1.46	0.00	0.34	0.34	—	1,419	1,419	0.02	0.05	1,438
Vendor	0.01	0.46	0.22	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	432	432	0.02	0.06	452
Hauling	0.00	0.00	0.00	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	0.07	0.07	0.97	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	235	235	< 0.005	0.01	238
Vendor	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	71.6	71.6	< 0.005	0.01	74.8
Hauling	0.00	0.00	0.00	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 (2027) - Unmitigated

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

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

Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	9.34	7.08	0.01	0.34	—	0.34	0.32	—	0.32	—	1,187	1,187	0.05	0.01	1,191
Onsite truck	0.00	0.00	0.00	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	1.71	1.29	< 0.005	0.06	—	0.06	0.06	—	0.06	—	196	196	0.01	< 0.005	197
Onsite truck	0.00	0.00	0.00	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	0.53	0.55	9.15	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,368	2,368	0.02	0.09	2,403
Vendor	0.01	0.69	0.34	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	695	695	0.04	0.09	726
Hauling	0.00	0.00	0.00	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	0.52	0.57	7.87	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,254	2,254	0.03	0.09	2,281

Vendor	0.01	0.72	0.35	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	695	695	0.03	0.09	724
Hauling	0.00	0.00	0.00	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	0.32	4.06	0.00	0.00	1.18	1.18	0.00	0.28	0.28	—	1,131	1,131	0.01	0.04	1,146
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	344	344	0.02	0.05	359
Hauling	0.00	0.00	0.00	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	0.06	0.74	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	187	187	< 0.005	0.01	190
Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	57.0	57.0	< 0.005	0.01	59.4
Hauling	0.00	0.00	0.00	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 (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	9.34	7.08	0.01	0.34	—	0.34	0.32	—	0.32	—	1,187	1,187	0.05	0.01	1,191
Onsite truck	0.00	0.00	0.00	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	1.71	1.29	< 0.005	0.06	—	0.06	0.06	—	0.06	—	196	196	0.01	< 0.005	197
Onsite truck	0.00	0.00	0.00	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	0.53	0.55	9.15	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,368	2,368	0.02	0.09	2,403
Vendor	0.01	0.69	0.34	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	695	695	0.04	0.09	726
Hauling	0.00	0.00	0.00	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	0.52	0.57	7.87	0.00	0.00	2.42	2.42	0.00	0.57	0.57	—	2,254	2,254	0.03	0.09	2,281
Vendor	0.01	0.72	0.35	0.01	0.01	0.19	0.20	0.01	0.05	0.06	—	695	695	0.03	0.09	724
Hauling	0.00	0.00	0.00	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	0.32	4.06	0.00	0.00	1.18	1.18	0.00	0.28	0.28	—	1,131	1,131	0.01	0.04	1,146
Vendor	0.01	0.36	0.17	< 0.005	< 0.005	0.09	0.10	< 0.005	0.03	0.03	—	344	344	0.02	0.05	359
Hauling	0.00	0.00	0.00	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	0.06	0.74	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	187	187	< 0.005	0.01	190

Vendor	< 0.005	0.07	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	57.0	57.0	< 0.005	0.01	59.4
Hauling	0.00	0.00	0.00	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. Paving (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	11.2	8.87	0.01	0.48	—	0.48	0.45	—	0.45	—	1,350	1,350	0.05	0.01	1,355
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.42	11.2	8.87	0.01	0.48	—	0.48	0.45	—	0.45	—	1,350	1,350	0.05	0.01	1,355
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.46	0.36	< 0.005	0.02	—	0.02	0.02	—	0.02	—	55.5	55.5	< 0.005	< 0.005	55.7
Paving	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	0.08	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.19	9.19	< 0.005	< 0.005	9.22
Paving	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.99	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	256	256	< 0.005	0.01	260
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.06	0.06	0.85	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	244	244	< 0.005	0.01	247
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	10.3
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
Hauling	0.00	0.00	0.00	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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.68	1.68	< 0.005	< 0.005	1.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Paving (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	11.2	8.87	0.01	0.48	—	0.48	0.45	—	0.45	—	1,350	1,350	0.05	0.01	1,355
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.42	11.2	8.87	0.01	0.48	—	0.48	0.45	—	0.45	—	1,350	1,350	0.05	0.01	1,355
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.46	0.36	< 0.005	0.02	—	0.02	0.02	—	0.02	—	55.5	55.5	< 0.005	< 0.005	55.7
Paving	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.19	9.19	< 0.005	< 0.005	9.22
Paving	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.99	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	256	256	< 0.005	0.01	260
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.06	0.06	0.85	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	244	244	< 0.005	0.01	247
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.2	10.2	< 0.005	< 0.005	10.3
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
Hauling	0.00	0.00	0.00	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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.68	1.68	< 0.005	< 0.005	1.70
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Architectural Coating (2026) - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectural Coatings	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.2	21.2	< 0.005	< 0.005	21.2
Architectural Coatings	0.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.50	3.50	< 0.005	< 0.005	3.52
Architectural Coatings	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.09	0.09	1.17	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	319	319	< 0.005	0.01	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
Hauling	0.00	0.00	0.00	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	0.01	0.01	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	51.3	51.3	< 0.005	< 0.005	52.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.49	8.49	< 0.005	< 0.005	8.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Architectural Coating (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.17	0.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	21.2	21.2	< 0.005	< 0.005	21.2
Architectural Coatings	0.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.50	3.50	< 0.005	< 0.005	3.52
Architectural Coatings	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.09	0.09	1.17	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	319	319	< 0.005	0.01	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
Hauling	0.00	0.00	0.00	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	0.01	0.01	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	51.3	51.3	< 0.005	< 0.005	52.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.49	8.49	< 0.005	< 0.005	8.60

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Architectural Coating (2027) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.60	0.53	< 0.005	0.04	—	0.04	0.03	—	0.03	—	73.4	73.4	< 0.005	< 0.005	73.7

Architectu ral Coatings	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	12.2	12.2	< 0.005	< 0.005	12.2
Architectu ral Coatings	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.08	1.27	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	330	330	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.07	0.08	1.10	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	314	314	< 0.005	0.01	318
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.05	0.63	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	175	175	< 0.005	0.01	177
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.0	29.0	< 0.005	< 0.005	29.3
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
Hauling	0.00	0.00	0.00	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. Architectural Coating (2027) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.60	0.53	< 0.005	0.04	—	0.04	0.03	—	0.03	—	73.4	73.4	< 0.005	< 0.005	73.7

Architectu Coatings	2.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.11	0.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	12.2	12.2	< 0.005	< 0.005	12.2
Architectu ral Coatings	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.08	1.27	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	330	330	< 0.005	0.01	334
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.07	0.08	1.10	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	314	314	< 0.005	0.01	318
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.05	0.63	0.00	0.00	0.18	0.18	0.00	0.04	0.04	—	175	175	< 0.005	0.01	177
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.11	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	29.0	29.0	< 0.005	< 0.005	29.3

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
Hauling	0.00	0.00	0.00	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	1.53	1.17	13.9	0.04	0.02	3.63	3.66	0.02	0.92	0.94	—	3,834	3,834	0.16	0.14	3,891
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
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
Total	1.53	1.17	13.9	0.04	0.02	3.63	3.66	0.02	0.92	0.94	—	3,834	3,834	0.16	0.14	3,891
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	1.52	1.27	12.8	0.04	0.02	3.63	3.66	0.02	0.92	0.94	—	3,686	3,686	0.16	0.15	3,734

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
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
Total	1.52	1.27	12.8	0.04	0.02	3.63	3.66	0.02	0.92	0.94	—	3,686	3,686	0.16	0.15	3,734
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	0.28	0.23	2.40	0.01	< 0.005	0.66	0.66	< 0.005	0.17	0.17	—	617	617	0.03	0.02	626
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
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
Total	0.28	0.23	2.40	0.01	< 0.005	0.66	0.66	< 0.005	0.17	0.17	—	617	617	0.03	0.02	626

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	1.53	1.17	13.9	0.04	0.02	3.63	3.66	0.02	0.92	0.94	—	3,834	3,834	0.16	0.14	3,891

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
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
Total	1.53	1.17	13.9	0.04	0.02	3.63	3.66	0.02	0.92	0.94	—	3,834	3,834	0.16	0.14	3,891
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	1.52	1.27	12.8	0.04	0.02	3.63	3.66	0.02	0.92	0.94	—	3,686	3,686	0.16	0.15	3,734
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
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
Total	1.52	1.27	12.8	0.04	0.02	3.63	3.66	0.02	0.92	0.94	—	3,686	3,686	0.16	0.15	3,734
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	0.28	0.23	2.40	0.01	< 0.005	0.66	0.66	< 0.005	0.17	0.17	—	617	617	0.03	0.02	626
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
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
Total	0.28	0.23	2.40	0.01	< 0.005	0.66	0.66	< 0.005	0.17	0.17	—	617	617	0.03	0.02	626

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	850	850	0.05	0.01	853
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	183	183	0.01	< 0.005	184
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	8.34	8.34	< 0.005	< 0.005	8.37
Total	—	—	—	—	—	—	—	—	—	—	—	1,041	1,041	0.06	0.01	1,045
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	850	850	0.05	0.01	853
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	183	183	0.01	< 0.005	184
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	8.34	8.34	< 0.005	< 0.005	8.37
Total	—	—	—	—	—	—	—	—	—	—	—	1,041	1,041	0.06	0.01	1,045

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	141	141	0.01	< 0.005	141
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	30.3	30.3	< 0.005	< 0.005	30.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	1.38	1.38	< 0.005	< 0.005	1.39
Total	—	—	—	—	—	—	—	—	—	—	—	172	172	0.01	< 0.005	173

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	850	850	0.05	0.01	853
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	183	183	0.01	< 0.005	184
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	8.34	8.34	< 0.005	< 0.005	8.37
Total	—	—	—	—	—	—	—	—	—	—	—	1,041	1,041	0.06	0.01	1,045
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Congregat Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	850	850	0.05	0.01	853
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	183	183	0.01	< 0.005	184
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	8.34	8.34	< 0.005	< 0.005	8.37
Total	—	—	—	—	—	—	—	—	—	—	—	1,041	1,041	0.06	0.01	1,045
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregat e Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	141	141	0.01	< 0.005	141
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	30.3	30.3	< 0.005	< 0.005	30.4
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	1.38	1.38	< 0.005	< 0.005	1.39
Total	—	—	—	—	—	—	—	—	—	—	—	172	172	0.01	< 0.005	173

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

Congregat e Care (Assisted Living)	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	566	566	0.05	< 0.005	568
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
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
Total	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	566	566	0.05	< 0.005	568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregat e Care (Assisted Living)	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	566	566	0.05	< 0.005	568
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
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
Total	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	566	566	0.05	< 0.005	568
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregat e Care (Assisted Living)	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.7	93.7	0.01	< 0.005	94.0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

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
Total	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.7	93.7	0.01	< 0.005	94.0

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	566	566	0.05	< 0.005	568
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
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
Total	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	566	566	0.05	< 0.005	568
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	566	566	0.05	< 0.005	568
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

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
Total	0.03	0.45	0.19	< 0.005	0.04	—	0.04	0.04	—	0.04	—	566	566	0.05	< 0.005	568
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.7	93.7	0.01	< 0.005	94.0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
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
Total	< 0.005	0.08	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	—	93.7	93.7	0.01	< 0.005	94.0

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.14	2.42	1.03	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,076	3,076	0.06	0.01	3,079
Consumer Products	3.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscap e Equipmen	1.03	0.10	10.5	< 0.005	0.01	—	0.01	0.01	—	0.01	—	30.2	30.2	< 0.005	< 0.005	30.3
Total	5.01	2.52	11.5	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,106	3,106	0.06	0.01	3,110
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.14	2.42	1.03	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,076	3,076	0.06	0.01	3,079
Consumer Products	3.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectu ral Coatings	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.98	2.42	1.03	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,076	3,076	0.06	0.01	3,079
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	34.9	34.9	< 0.005	< 0.005	34.9
Consumer Products	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectu ral Coatings	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscap e Equipmen t	0.13	0.01	1.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.42	3.42	< 0.005	< 0.005	3.44
Total	0.83	0.04	1.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	38.3	38.3	< 0.005	< 0.005	38.4

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

Hearths	0.14	2.42	1.03	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,076	3,076	0.06	0.01	3,079
Consumer Products	3.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.03	0.10	10.5	< 0.005	0.01	—	0.01	0.01	—	0.01	—	30.2	30.2	< 0.005	< 0.005	30.3
Total	5.01	2.52	11.5	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,106	3,106	0.06	0.01	3,110
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.14	2.42	1.03	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,076	3,076	0.06	0.01	3,079
Consumer Products	3.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	3.98	2.42	1.03	0.02	0.20	—	0.20	0.20	—	0.20	0.00	3,076	3,076	0.06	0.01	3,079
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.03	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	34.9	34.9	< 0.005	< 0.005	34.9
Consumer Products	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.13	0.01	1.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.42	3.42	< 0.005	< 0.005	3.44
Total	0.83	0.04	1.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	38.3	38.3	< 0.005	< 0.005	38.4

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	11.4	61.3	72.8	1.18	0.03	111
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	11.4	61.3	72.8	1.18	0.03	111
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	11.4	61.3	72.8	1.18	0.03	111
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	11.4	61.3	72.8	1.18	0.03	111

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	1.89	10.2	12.0	0.19	< 0.005	18.3
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	1.89	10.2	12.0	0.19	< 0.005	18.3

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	11.4	60.3	71.8	1.18	0.03	110
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	11.4	60.3	71.8	1.18	0.03	110
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Congregat Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	11.4	60.3	71.8	1.18	0.03	110
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	11.4	60.3	71.8	1.18	0.03	110
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregat e Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	1.89	9.99	11.9	0.19	< 0.005	18.1
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	1.89	9.99	11.9	0.19	< 0.005	18.1

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

Congregat e	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregat e Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregat e Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	38.6	0.00	38.6	3.86	0.00	135
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	—	—	—	—	—	—	—	—	—	—	38.6	0.00	38.6	3.86	0.00	135

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	233	0.00	233	23.3	0.00	816

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	38.6	0.00	38.6	3.86	0.00	135
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	38.6	0.00	38.6	3.86	0.00	135

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.11

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.35

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	63.0	63.0	< 0.005	< 0.005	63.2
Total	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	63.0	63.0	< 0.005	< 0.005	63.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	63.0	63.0	< 0.005	< 0.005	63.2
Total	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	63.0	63.0	< 0.005	< 0.005	63.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Emergenc Generator	0.02	0.06	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	10.2	10.2	< 0.005	< 0.005	10.2
Total	0.02	0.06	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	10.2	10.2	< 0.005	< 0.005	10.2

4.8.2. Mitigated

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

Equipmen t Type	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergenc y Generator	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	63.0	63.0	< 0.005	< 0.005	63.2
Total	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	63.0	63.0	< 0.005	< 0.005	63.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergenc y Generator	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	63.0	63.0	< 0.005	< 0.005	63.2
Total	0.12	0.34	0.31	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	63.0	63.0	< 0.005	< 0.005	63.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergenc y Generator	0.02	0.06	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	10.2	10.2	< 0.005	< 0.005	10.2
Total	0.02	0.06	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	10.2	10.2	< 0.005	< 0.005	10.2

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

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

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

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

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	10/6/2025	12/5/2025	5.00	45.0	—
Site Preparation	Site Preparation	12/8/2025	1/16/2026	5.00	30.0	—
Grading	Grading	1/19/2026	2/20/2026	5.00	25.0	—
Building Construction	Building Construction	2/23/2026	9/10/2027	5.00	405	—
Paving	Paving	9/13/2027	10/1/2027	5.00	15.0	—
Architectural Coating	Architectural Coating	10/12/2026	10/8/2027	5.00	260	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 2	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 2	3.00	8.00	36.0	0.38

Demolition	Rubber Tired Dozers	Diesel	Tier 2	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 2	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 2	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 2	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 2	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 2	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 2	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Tier 2	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 2	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 2	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Tier 2	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Tier 2	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 2	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 2	3.00	8.00	36.0	0.38

Demolition	Rubber Tired Dozers	Diesel	Tier 2	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 2	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 2	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 2	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 2	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 2	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 2	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Tier 2	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 2	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 2	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Tier 2	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Tier 2	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—

Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	14.1	35.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	35.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	54.3	35.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	185	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	22.6	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	35.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	35.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	25.8	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT

Architectural Coating	Hauling	0.00	35.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	14.1	35.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	35.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	54.3	35.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	185	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	22.6	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	35.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2

Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	35.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	25.8	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	35.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	336,150	112,050	0.00	0.00	392

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)

Demolition	0.00	0.00	0.00	55,000	—
Site Preparation	—	—	45.0	0.00	—
Grading	—	10,850	25.0	0.00	—
Paving	0.00	0.00	0.00	0.00	0.15

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Congregate Care (Assisted Living)	—	0%
Enclosed Parking with Elevator	0.00	100%
Parking Lot	0.15	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005
2027	0.00	532	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
Congregate Care (Assisted Living)	491	491	491	179,212	5,136	5,136	5,136	1,874,466
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Congregate Care (Assisted Living)	491	491	491	179,212	5,136	5,136	5,136	1,874,466
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Congregate Care (Assisted Living)	—
Wood Fireplaces	0
Gas Fireplaces	146
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	16
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)
Congregate Care (Assisted Living)	—
Wood Fireplaces	0
Gas Fireplaces	146
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	16
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)
336150	112,050	0.00	0.00	392

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Congregate Care (Assisted Living)	582,868	532	0.0330	0.0040	1,765,988
Enclosed Parking with Elevator	125,509	532	0.0330	0.0040	0.00
Parking Lot	5,724	532	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)
Congregate Care (Assisted Living)	582,868	532	0.0330	0.0040	1,765,988
Enclosed Parking with Elevator	125,509	532	0.0330	0.0040	0.00
Parking Lot	5,724	532	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)

Congregate Care (Assisted Living)	5,966,578	274,040
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Congregate Care (Assisted Living)	5,966,578	146,312
Enclosed Parking with Elevator	0.00	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Congregate Care (Assisted Living)	433	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Congregate Care (Assisted Living)	433	—
Enclosed Parking with Elevator	0.00	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Congregate Care (Assisted Living)	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Congregate Care (Assisted Living)	Household refrigerators and/or freezers	R-134a	1,430	0.22	0.60	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
Congregate Care (Assisted Living)	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Congregate Care (Assisted Living)	Household refrigerators and/or freezers	R-134a	1,430	0.22	0.60	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

Emergency Generator	Diesel	1.00	0.14	50.0	536	0.73

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

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5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

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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)

5.18.2.2. Mitigated

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

8. User Changes to Default Data

Screen	Justification
Land Use	Total project site is 3.10 acres. The project consists of a 200,000-square-foot State-licensed senior living community consisting of 159 total living units.
Construction: Construction Phases	Construction of the modified proposed project is anticipated to commence October 2025, occurring over a 24-month period. Overlap of building construction and architectural coating.
Construction: Off-Road Equipment	Default equipment list and assuming the use of Tier 2 equipment.
Construction: Trips and VMT	During peak construction, approximately 185 construction workers are anticipated. Haul distance is 35 miles.
Operations: Vehicle Data	Based on a trip generation of 491 ADT.
Operations: Hearths	The proposed project would not include any woodburning fireplaces or wood stoves.

Bolsa Chica Senior Living Community Project - Originally Proposed Project 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	Bolsa Chica Senior Living Community Project - Originally Proposed Project
Construction Start Date	4/1/2024
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.30
Precipitation (days)	19.2
Location	33.714685221518735, -118.04203522166002
County	Orange
City	Huntington Beach
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5855
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.24

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

Enclosed Parking Structure	207	Space	0.15	82,800	0.00	—	—	—
Congregate Care (Assisted Living)	213	Dwelling Unit	2.95	298,000	23,958	—	635	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Water	W-5	Design Water-Efficient Landscapes

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.73	62.7	42.9	0.25	1.58	11.7	12.9	1.43	4.08	5.51	—	36,971	36,971	2.68	5.41	38,722
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.73	22.1	27.4	0.03	0.76	3.42	4.18	0.71	0.81	1.52	—	6,692	6,692	0.21	0.29	6,785
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.84	19.1	19.4	0.04	0.53	2.45	2.98	0.50	0.82	1.31	—	5,608	5,608	0.30	0.49	5,766
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.88	3.48	3.54	0.01	0.10	0.45	0.54	0.09	0.15	0.24	—	928	928	0.05	0.08	955

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.64	62.7	42.9	0.25	1.58	11.7	12.9	1.43	4.08	5.51	—	36,971	36,971	2.68	5.41	38,722
2025	8.73	22.0	29.2	0.03	0.76	3.42	4.18	0.71	0.81	1.52	—	6,844	6,844	0.20	0.29	6,952
2026	8.68	21.8	28.4	0.03	0.76	3.42	4.18	0.71	0.81	1.52	—	6,765	6,765	0.20	0.29	6,871
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.39	21.1	25.3	0.03	0.70	2.93	3.63	0.65	0.70	1.35	—	6,154	6,154	0.20	0.28	6,243
2025	8.73	22.1	27.4	0.03	0.76	3.42	4.18	0.71	0.81	1.52	—	6,692	6,692	0.21	0.29	6,785
2026	8.68	22.0	26.7	0.03	0.76	3.42	4.18	0.71	0.81	1.52	—	6,616	6,616	0.20	0.29	6,709
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.73	19.1	16.0	0.04	0.53	2.45	2.98	0.49	0.82	1.31	—	5,608	5,608	0.30	0.49	5,766
2025	4.84	15.6	19.4	0.02	0.53	2.32	2.85	0.50	0.55	1.05	—	4,694	4,694	0.15	0.21	4,763
2026	1.60	4.47	5.33	0.01	0.16	0.62	0.78	0.15	0.15	0.30	—	1,277	1,277	0.04	0.05	1,295
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.13	3.48	2.92	0.01	0.10	0.45	0.54	0.09	0.15	0.24	—	928	928	0.05	0.08	955
2025	0.88	2.85	3.54	< 0.005	0.10	0.42	0.52	0.09	0.10	0.19	—	777	777	0.02	0.03	789
2026	0.29	0.82	0.97	< 0.005	0.03	0.11	0.14	0.03	0.03	0.05	—	211	211	0.01	0.01	214

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.64	62.7	42.9	0.25	1.58	11.7	12.9	1.43	4.08	5.51	—	36,971	36,971	2.68	5.41	38,722
2025	8.73	22.0	29.2	0.03	0.76	3.42	4.18	0.71	0.81	1.52	—	6,844	6,844	0.20	0.29	6,952
2026	8.68	21.8	28.4	0.03	0.76	3.42	4.18	0.71	0.81	1.52	—	6,765	6,765	0.20	0.29	6,871
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.39	21.1	25.3	0.03	0.70	2.93	3.63	0.65	0.70	1.35	—	6,154	6,154	0.20	0.28	6,243
2025	8.73	22.1	27.4	0.03	0.76	3.42	4.18	0.71	0.81	1.52	—	6,692	6,692	0.21	0.29	6,785
2026	8.68	22.0	26.7	0.03	0.76	3.42	4.18	0.71	0.81	1.52	—	6,616	6,616	0.20	0.29	6,709
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.73	19.1	16.0	0.04	0.53	2.45	2.98	0.49	0.82	1.31	—	5,608	5,608	0.30	0.49	5,766
2025	4.84	15.6	19.4	0.02	0.53	2.32	2.85	0.50	0.55	1.05	—	4,694	4,694	0.15	0.21	4,763
2026	1.60	4.47	5.33	0.01	0.16	0.62	0.78	0.15	0.15	0.30	—	1,277	1,277	0.04	0.05	1,295
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.13	3.48	2.92	0.01	0.10	0.45	0.54	0.09	0.15	0.24	—	928	928	0.05	0.08	955
2025	0.88	2.85	3.54	< 0.005	0.10	0.42	0.52	0.09	0.10	0.19	—	777	777	0.02	0.03	789
2026	0.29	0.82	0.97	< 0.005	0.03	0.11	0.14	0.03	0.03	0.05	—	211	211	0.01	0.01	214

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.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.7	6.11	33.6	0.07	0.37	3.97	4.34	0.37	1.01	1.37	328	10,845	11,173	33.2	0.22	12,087
Mit.	10.7	6.11	33.6	0.07	0.37	3.97	4.34	0.37	1.01	1.37	328	10,844	11,171	33.2	0.22	12,085

% Reduced	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	—	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.01	6.08	16.7	0.07	0.36	3.97	4.33	0.36	1.01	1.36	328	10,633	10,961	33.2	0.22	11,863
Mit.	9.01	6.08	16.7	0.07	0.36	3.97	4.33	0.36	1.01	1.36	328	10,632	10,960	33.2	0.22	11,861
% Reduced	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	—	—	< 0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.97	3.22	26.5	0.05	0.13	3.92	4.05	0.12	1.00	1.12	328	6,948	7,276	33.2	0.22	8,180
Mit.	9.97	3.22	26.5	0.05	0.13	3.92	4.05	0.12	1.00	1.12	328	6,946	7,274	33.2	0.22	8,179
% Reduced	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	—	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.82	0.59	4.84	0.01	0.02	0.72	0.74	0.02	0.18	0.20	54.3	1,150	1,205	5.49	0.04	1,354
Mit.	1.82	0.59	4.84	0.01	0.02	0.72	0.74	0.02	0.18	0.20	54.3	1,150	1,204	5.49	0.04	1,354
% Reduced	—	—	—	—	—	—	—	—	—	—	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	< 0.5%

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.74	1.36	15.8	0.04	0.02	3.97	4.00	0.02	1.01	1.03	—	4,266	4,266	0.18	0.16	4,332
Area	8.74	3.33	17.0	0.02	0.27	—	0.27	0.27	—	0.27	0.00	4,084	4,084	0.08	0.01	4,088

Energy	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	2,319	2,319	0.16	0.01	2,327
Water	—	—	—	—	—	—	—	—	—	—	15.3	82.2	97.6	1.58	0.04	148
Waste	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Stationary	0.18	0.83	0.47	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	94.5	94.5	< 0.005	< 0.005	94.8
Total	10.7	6.11	33.6	0.07	0.37	3.97	4.34	0.37	1.01	1.37	328	10,845	11,173	33.2	0.22	12,087
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.72	1.48	14.6	0.04	0.02	3.97	4.00	0.02	1.01	1.03	—	4,101	4,101	0.19	0.16	4,155
Area	7.08	3.18	1.35	0.02	0.26	—	0.26	0.26	—	0.26	0.00	4,036	4,036	0.08	0.01	4,041
Energy	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	2,319	2,319	0.16	0.01	2,327
Water	—	—	—	—	—	—	—	—	—	—	15.3	82.2	97.6	1.58	0.04	148
Waste	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Stationary	0.18	0.83	0.47	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	94.5	94.5	< 0.005	< 0.005	94.8
Total	9.01	6.08	16.7	0.07	0.36	3.97	4.33	0.36	1.01	1.36	328	10,633	10,961	33.2	0.22	11,863
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.71	1.49	15.0	0.04	0.02	3.92	3.95	0.02	1.00	1.02	—	4,146	4,146	0.18	0.17	4,206
Area	8.04	0.32	10.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	309	309	0.01	< 0.005	309
Energy	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	2,319	2,319	0.16	0.01	2,327
Water	—	—	—	—	—	—	—	—	—	—	15.3	82.2	97.6	1.58	0.04	148
Waste	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Stationary	0.18	0.81	0.46	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	92.5	92.5	< 0.005	< 0.005	92.8
Total	9.97	3.22	26.5	0.05	0.13	3.92	4.05	0.12	1.00	1.12	328	6,948	7,276	33.2	0.22	8,180
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.31	0.27	2.73	0.01	< 0.005	0.72	0.72	< 0.005	0.18	0.19	—	686	686	0.03	0.03	696

Area	1.47	0.06	1.98	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	51.1	51.1	< 0.005	< 0.005	51.2
Energy	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	384	384	0.03	< 0.005	385
Water	—	—	—	—	—	—	—	—	—	—	2.54	13.6	16.2	0.26	0.01	24.5
Waste	—	—	—	—	—	—	—	—	—	—	51.7	0.00	51.7	5.17	0.00	181
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63
Stationary	0.03	0.15	0.08	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	15.3	15.3	< 0.005	< 0.005	15.4
Total	1.82	0.59	4.84	0.01	0.02	0.72	0.74	0.02	0.18	0.20	54.3	1,150	1,205	5.49	0.04	1,354

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.74	1.36	15.8	0.04	0.02	3.97	4.00	0.02	1.01	1.03	—	4,266	4,266	0.18	0.16	4,332
Area	8.74	3.33	17.0	0.02	0.27	—	0.27	0.27	—	0.27	0.00	4,084	4,084	0.08	0.01	4,088
Energy	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	2,319	2,319	0.16	0.01	2,327
Water	—	—	—	—	—	—	—	—	—	—	15.3	80.9	96.2	1.58	0.04	147
Waste	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Stationary	0.18	0.83	0.47	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	94.5	94.5	< 0.005	< 0.005	94.8
Total	10.7	6.11	33.6	0.07	0.37	3.97	4.34	0.37	1.01	1.37	328	10,844	11,171	33.2	0.22	12,085
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.72	1.48	14.6	0.04	0.02	3.97	4.00	0.02	1.01	1.03	—	4,101	4,101	0.19	0.16	4,155
Area	7.08	3.18	1.35	0.02	0.26	—	0.26	0.26	—	0.26	0.00	4,036	4,036	0.08	0.01	4,041
Energy	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	2,319	2,319	0.16	0.01	2,327
Water	—	—	—	—	—	—	—	—	—	—	15.3	80.9	96.2	1.58	0.04	147

Waste	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Stationary	0.18	0.83	0.47	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	94.5	94.5	< 0.005	< 0.005	94.8
Total	9.01	6.08	16.7	0.07	0.36	3.97	4.33	0.36	1.01	1.36	328	10,632	10,960	33.2	0.22	11,861
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.71	1.49	15.0	0.04	0.02	3.92	3.95	0.02	1.00	1.02	—	4,146	4,146	0.18	0.17	4,206
Area	8.04	0.32	10.8	< 0.005	0.03	—	0.03	0.02	—	0.02	0.00	309	309	0.01	< 0.005	309
Energy	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	2,319	2,319	0.16	0.01	2,327
Water	—	—	—	—	—	—	—	—	—	—	15.3	80.9	96.2	1.58	0.04	147
Waste	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Stationary	0.18	0.81	0.46	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	92.5	92.5	< 0.005	< 0.005	92.8
Total	9.97	3.22	26.5	0.05	0.13	3.92	4.05	0.12	1.00	1.12	328	6,946	7,274	33.2	0.22	8,179
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.31	0.27	2.73	0.01	< 0.005	0.72	0.72	< 0.005	0.18	0.19	—	686	686	0.03	0.03	696
Area	1.47	0.06	1.98	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	51.1	51.1	< 0.005	< 0.005	51.2
Energy	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	384	384	0.03	< 0.005	385
Water	—	—	—	—	—	—	—	—	—	—	2.54	13.4	15.9	0.26	0.01	24.3
Waste	—	—	—	—	—	—	—	—	—	—	51.7	0.00	51.7	5.17	0.00	181
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63
Stationary	0.03	0.15	0.08	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	15.3	15.3	< 0.005	< 0.005	15.4
Total	1.82	0.59	4.84	0.01	0.02	0.72	0.74	0.02	0.18	0.20	54.3	1,150	1,204	5.49	0.04	1,354

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	32.8	24.3	0.04	1.10	—	1.10	1.01	—	1.01	—	4,297	4,297	0.17	0.03	4,311
Demolition	—	—	—	—	—	0.77	0.77	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.12	4.04	2.99	0.01	0.14	—	0.14	0.12	—	0.12	—	530	530	0.02	< 0.005	532
Demolition	—	—	—	—	—	0.10	0.10	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.74	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	87.7	87.7	< 0.005	< 0.005	88.0
Demolition	—	—	—	—	—	0.02	0.02	—	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.09	1.35	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	305	305	< 0.005	0.01	309

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	2.02	0.84	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,729	1,729	0.13	0.28	1,818
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.3	36.3	< 0.005	< 0.005	36.8
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
Hauling	< 0.005	0.26	0.10	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	213	213	0.02	0.03	224
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.00	6.00	< 0.005	< 0.005	6.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.3	35.3	< 0.005	0.01	37.1

3.2. Demolition (2024) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.00	32.8	24.3	0.04	1.10	—	1.10	1.01	—	1.01	—	4,297	4,297	0.17	0.03	4,311
Demolition	—	—	—	—	—	0.77	0.77	—	0.12	0.12	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.12	4.04	2.99	0.01	0.14	—	0.14	0.12	—	0.12	—	530	530	0.02	< 0.005	532
Demolition	—	—	—	—	—	0.10	0.10	—	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.74	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	87.7	87.7	< 0.005	< 0.005	88.0
Demolition	—	—	—	—	—	0.02	0.02	—	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.09	1.35	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	305	305	< 0.005	0.01	309
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	2.02	0.84	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,729	1,729	0.13	0.28	1,818
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.15	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.3	36.3	< 0.005	< 0.005	36.8
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
Hauling	< 0.005	0.26	0.10	< 0.005	< 0.005	0.05	0.06	< 0.005	0.02	0.02	—	213	213	0.02	0.03	224
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.00	6.00	< 0.005	< 0.005	6.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Hauling	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.3	35.3	< 0.005	0.01	37.1

3.3. Site Preparation (2024) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	57.9	41.6	0.07	1.58	—	1.58	1.43	—	1.43	—	7,757	7,757	0.31	0.06	7,784
Dust From Material Movement	—	—	—	—	—	8.29	8.29	—	4.01	4.01	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	4.76	3.42	0.01	0.13	—	0.13	0.12	—	0.12	—	638	638	0.03	0.01	640
Dust From Material Movement	—	—	—	—	—	0.68	0.68	—	0.33	0.33	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.87	0.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	106	106	< 0.005	< 0.005	106

Dust From Material Movement	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.09	1.35	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	305	305	< 0.005	0.01	309
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.2	24.2	< 0.005	< 0.005	24.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.00	4.00	< 0.005	< 0.005	4.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Site Preparation (2024) - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	57.9	41.6	0.07	1.58	—	1.58	1.43	—	1.43	—	7,757	7,757	0.31	0.06	7,784
Dust From Material Movement	—	—	—	—	—	8.29	8.29	—	4.01	4.01	—	—	—	—	—	—
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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	4.76	3.42	0.01	0.13	—	0.13	0.12	—	0.12	—	638	638	0.03	0.01	640
Dust From Material Movement	—	—	—	—	—	0.68	0.68	—	0.33	0.33	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.87	0.62	< 0.005	0.02	—	0.02	0.02	—	0.02	—	106	106	< 0.005	< 0.005	106
Dust From Material Movement	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.09	1.35	0.00	0.00	0.29	0.29	0.00	0.07	0.07	—	305	305	< 0.005	0.01	309

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.10	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	24.2	24.2	< 0.005	< 0.005	24.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.00	4.00	< 0.005	< 0.005	4.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Grading (2024) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	23.2	17.8	0.03	0.75	—	0.75	0.69	—	0.69	—	2,958	2,958	0.12	0.02	2,969
Dust From Material Movement	—	—	—	—	—	2.80	2.80	—	1.34	1.34	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	1.59	1.22	< 0.005	0.05	—	0.05	0.05	—	0.05	—	203	203	0.01	< 0.005	203
Dust From Material Movement	—	—	—	—	—	0.19	0.19	—	0.09	0.09	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.29	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	33.5	33.5	< 0.005	< 0.005	33.7
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.06	0.90	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	203	203	< 0.005	0.01	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.59	39.5	16.4	0.22	0.42	8.71	9.13	0.42	2.44	2.87	—	33,809	33,809	2.56	5.38	35,547
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	13.6

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
Hauling	0.04	2.84	1.12	0.01	0.03	0.59	0.62	0.03	0.17	0.19	—	2,316	2,316	0.18	0.37	2,432
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.22	2.22	< 0.005	< 0.005	2.25
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.52	0.21	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	383	383	0.03	0.06	403

3.6. Grading (2024) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.73	23.2	17.8	0.03	0.75	—	0.75	0.69	—	0.69	—	2,958	2,958	0.12	0.02	2,969
Dust From Material Movement	—	—	—	—	—	2.80	2.80	—	1.34	1.34	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	1.59	1.22	< 0.005	0.05	—	0.05	0.05	—	0.05	—	203	203	0.01	< 0.005	203
Dust From Material Movement	—	—	—	—	—	0.19	0.19	—	0.09	0.09	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	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	0.29	0.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	33.5	33.5	< 0.005	< 0.005	33.7
Dust From Material Movement	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.06	0.90	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	203	203	< 0.005	0.01	206
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.59	39.5	16.4	0.22	0.42	8.71	9.13	0.42	2.44	2.87	—	33,809	33,809	2.56	5.38	35,547
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	13.6
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
Hauling	0.04	2.84	1.12	0.01	0.03	0.59	0.62	0.03	0.17	0.19	—	2,316	2,316	0.18	0.37	2,432
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.22	2.22	< 0.005	< 0.005	2.25
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	0.52	0.21	< 0.005	0.01	0.11	0.11	0.01	0.03	0.04	—	383	383	0.03	0.06	403

3.7. Building Construction (2024) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	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	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	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	0.16	4.99	3.78	0.01	0.18	—	0.18	0.17	—	0.17	—	633	633	0.03	0.01	636
Onsite truck	0.00	0.00	0.00	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	0.91	0.69	< 0.005	0.03	—	0.03	0.03	—	0.03	—	105	105	< 0.005	< 0.005	105
Onsite truck	0.00	0.00	0.00	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	0.74	0.78	12.0	0.00	0.00	2.61	2.61	0.00	0.61	0.61	—	2,711	2,711	0.04	0.09	2,751

Vendor	0.03	1.26	0.63	0.01	0.02	0.31	0.33	0.01	0.09	0.09	—	1,177	1,177	0.07	0.16	1,230
Hauling	0.00	0.00	0.00	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	0.74	0.88	10.4	0.00	0.00	2.61	2.61	0.00	0.61	0.61	—	2,579	2,579	0.04	0.10	2,610
Vendor	0.03	1.30	0.64	0.01	0.02	0.31	0.33	0.01	0.09	0.09	—	1,178	1,178	0.07	0.16	1,227
Hauling	0.00	0.00	0.00	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	0.19	0.23	2.88	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	691	691	0.01	0.03	700
Vendor	0.01	0.35	0.17	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.02	—	311	311	0.02	0.04	325
Hauling	0.00	0.00	0.00	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	0.52	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	114	114	< 0.005	< 0.005	116
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	51.5	51.5	< 0.005	0.01	53.7
Hauling	0.00	0.00	0.00	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 (2024) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	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	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	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	0.16	4.99	3.78	0.01	0.18	—	0.18	0.17	—	0.17	—	633	633	0.03	0.01	636
Onsite truck	0.00	0.00	0.00	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	0.91	0.69	< 0.005	0.03	—	0.03	0.03	—	0.03	—	105	105	< 0.005	< 0.005	105
Onsite truck	0.00	0.00	0.00	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	0.74	0.78	12.0	0.00	0.00	2.61	2.61	0.00	0.61	0.61	—	2,711	2,711	0.04	0.09	2,751
Vendor	0.03	1.26	0.63	0.01	0.02	0.31	0.33	0.01	0.09	0.09	—	1,177	1,177	0.07	0.16	1,230
Hauling	0.00	0.00	0.00	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	0.74	0.88	10.4	0.00	0.00	2.61	2.61	0.00	0.61	0.61	—	2,579	2,579	0.04	0.10	2,610
Vendor	0.03	1.30	0.64	0.01	0.02	0.31	0.33	0.01	0.09	0.09	—	1,178	1,178	0.07	0.16	1,227
Hauling	0.00	0.00	0.00	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	0.19	0.23	2.88	0.00	0.00	0.68	0.68	0.00	0.16	0.16	—	691	691	0.01	0.03	700
Vendor	0.01	0.35	0.17	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.02	—	311	311	0.02	0.04	325
Hauling	0.00	0.00	0.00	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	0.52	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	114	114	< 0.005	< 0.005	116
Vendor	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	51.5	51.5	< 0.005	0.01	53.7
Hauling	0.00	0.00	0.00	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 (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	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	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	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	13.5	10.2	0.02	0.49	—	0.49	0.46	—	0.46	—	1,713	1,713	0.07	0.01	1,719

Onsite truck	0.00	0.00	0.00	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	2.46	1.86	< 0.005	0.09	—	0.09	0.08	—	0.08	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.71	0.69	11.2	0.00	0.00	2.61	2.61	0.00	0.61	0.61	—	2,655	2,655	0.03	0.09	2,694
Vendor	0.03	1.20	0.60	0.01	0.01	0.31	0.32	0.01	0.09	0.09	—	1,159	1,159	0.07	0.16	1,211
Hauling	0.00	0.00	0.00	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	0.71	0.79	9.68	0.00	0.00	2.61	2.61	0.00	0.61	0.61	—	2,526	2,526	0.04	0.09	2,556
Vendor	0.03	1.25	0.61	0.01	0.01	0.31	0.32	0.01	0.09	0.09	—	1,159	1,159	0.07	0.16	1,209
Hauling	0.00	0.00	0.00	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	0.50	0.56	7.23	0.00	0.00	1.84	1.84	0.00	0.43	0.43	—	1,829	1,829	0.03	0.07	1,853
Vendor	0.02	0.90	0.43	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	828	828	0.05	0.11	864
Hauling	0.00	0.00	0.00	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	0.09	0.10	1.32	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	303	303	< 0.005	0.01	307
Vendor	< 0.005	0.16	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	143
Hauling	0.00	0.00	0.00	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 (2025) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	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	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	2,398	2,398	0.10	0.02	2,406
Onsite truck	0.00	0.00	0.00	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	13.5	10.2	0.02	0.49	—	0.49	0.46	—	0.46	—	1,713	1,713	0.07	0.01	1,719
Onsite truck	0.00	0.00	0.00	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	2.46	1.86	< 0.005	0.09	—	0.09	0.08	—	0.08	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.71	0.69	11.2	0.00	0.00	2.61	2.61	0.00	0.61	0.61	—	2,655	2,655	0.03	0.09	2,694
Vendor	0.03	1.20	0.60	0.01	0.01	0.31	0.32	0.01	0.09	0.09	—	1,159	1,159	0.07	0.16	1,211
Hauling	0.00	0.00	0.00	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	0.71	0.79	9.68	0.00	0.00	2.61	2.61	0.00	0.61	0.61	—	2,526	2,526	0.04	0.09	2,556
Vendor	0.03	1.25	0.61	0.01	0.01	0.31	0.32	0.01	0.09	0.09	—	1,159	1,159	0.07	0.16	1,209
Hauling	0.00	0.00	0.00	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	0.50	0.56	7.23	0.00	0.00	1.84	1.84	0.00	0.43	0.43	—	1,829	1,829	0.03	0.07	1,853
Vendor	0.02	0.90	0.43	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	828	828	0.05	0.11	864
Hauling	0.00	0.00	0.00	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	0.09	0.10	1.32	0.00	0.00	0.34	0.34	0.00	0.08	0.08	—	303	303	< 0.005	0.01	307
Vendor	< 0.005	0.16	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	143
Hauling	0.00	0.00	0.00	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 (2026) - Unmitigated

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

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

Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	3.43	2.60	< 0.005	0.13	—	0.13	0.12	—	0.12	—	436	436	0.02	< 0.005	438
Onsite truck	0.00	0.00	0.00	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	0.63	0.48	< 0.005	0.02	—	0.02	0.02	—	0.02	—	72.2	72.2	< 0.005	< 0.005	72.5
Onsite truck	0.00	0.00	0.00	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	0.67	0.61	10.5	0.00	0.00	2.61	2.61	0.00	0.61	0.61	—	2,604	2,604	0.03	0.09	2,642
Vendor	0.02	1.16	0.58	0.01	0.01	0.31	0.32	0.01	0.09	0.09	—	1,140	1,140	0.06	0.16	1,192
Hauling	0.00	0.00	0.00	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	0.67	0.70	9.09	0.00	0.00	2.61	2.61	0.00	0.61	0.61	—	2,479	2,479	0.04	0.09	2,508

Vendor	0.02	1.21	0.59	0.01	0.01	0.31	0.32	0.01	0.09	0.09	—	1,140	1,140	0.06	0.16	1,190
Hauling	0.00	0.00	0.00	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	0.12	0.13	1.72	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	457	457	0.01	0.02	463
Vendor	< 0.005	0.22	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	207	207	0.01	0.03	217
Hauling	0.00	0.00	0.00	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	0.02	0.02	0.31	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	75.7	75.7	< 0.005	< 0.005	76.7
Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.4	34.4	< 0.005	< 0.005	35.9
Hauling	0.00	0.00	0.00	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 (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.62	18.9	14.3	0.02	0.69	—	0.69	0.64	—	0.64	—	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	3.43	2.60	< 0.005	0.13	—	0.13	0.12	—	0.12	—	436	436	0.02	< 0.005	438
Onsite truck	0.00	0.00	0.00	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	0.63	0.48	< 0.005	0.02	—	0.02	0.02	—	0.02	—	72.2	72.2	< 0.005	< 0.005	72.5
Onsite truck	0.00	0.00	0.00	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	0.67	0.61	10.5	0.00	0.00	2.61	2.61	0.00	0.61	0.61	—	2,604	2,604	0.03	0.09	2,642
Vendor	0.02	1.16	0.58	0.01	0.01	0.31	0.32	0.01	0.09	0.09	—	1,140	1,140	0.06	0.16	1,192
Hauling	0.00	0.00	0.00	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	0.67	0.70	9.09	0.00	0.00	2.61	2.61	0.00	0.61	0.61	—	2,479	2,479	0.04	0.09	2,508
Vendor	0.02	1.21	0.59	0.01	0.01	0.31	0.32	0.01	0.09	0.09	—	1,140	1,140	0.06	0.16	1,190
Hauling	0.00	0.00	0.00	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	0.12	0.13	1.72	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	457	457	0.01	0.02	463
Vendor	< 0.005	0.22	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	207	207	0.01	0.03	217
Hauling	0.00	0.00	0.00	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	0.02	0.02	0.31	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	75.7	75.7	< 0.005	< 0.005	76.7

Vendor	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.4	34.4	< 0.005	< 0.005	35.9
Hauling	0.00	0.00	0.00	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. Paving (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	11.2	8.87	0.01	0.48	—	0.48	0.45	—	0.45	—	1,350	1,350	0.05	0.01	1,355
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.02	0.46	0.36	< 0.005	0.02	—	0.02	0.02	—	0.02	—	55.5	55.5	< 0.005	< 0.005	55.7
Paving	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.19	9.19	< 0.005	< 0.005	9.22
Paving	< 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

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	1.05	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	260	260	< 0.005	0.01	264
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	10.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.71	1.71	< 0.005	< 0.005	1.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Paving (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	11.2	8.87	0.01	0.48	—	0.48	0.45	—	0.45	—	1,350	1,350	0.05	0.01	1,355
Paving	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	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	0.02	0.46	0.36	< 0.005	0.02	—	0.02	0.02	—	0.02	—	55.5	55.5	< 0.005	< 0.005	55.7
Paving	< 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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	0.08	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.19	9.19	< 0.005	< 0.005	9.22
Paving	< 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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	1.05	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	260	260	< 0.005	0.01	264
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	10.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	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	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.71	1.71	< 0.005	< 0.005	1.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Architectural Coating (2025) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	7.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	7.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.57	0.51	< 0.005	0.03	—	0.03	0.03	—	0.03	—	70.3	70.3	< 0.005	< 0.005	70.5
Architectural Coatings	3.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	11.7
Architectural Coatings	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.13	0.13	2.11	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	499	499	0.01	0.02	507
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.13	0.15	1.82	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	475	475	0.01	0.02	481
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.07	0.08	1.00	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	254	254	< 0.005	0.01	257
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	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	0.18	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.0	42.0	< 0.005	< 0.005	42.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Architectural Coating (2025) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	7.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	7.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.57	0.51	< 0.005	0.03	—	0.03	0.03	—	0.03	—	70.3	70.3	< 0.005	< 0.005	70.5
Architectural Coatings	3.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	11.6	11.6	< 0.005	< 0.005	11.7
Architectural Coatings	0.69	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.13	0.13	2.11	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	499	499	0.01	0.02	507
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.13	0.15	1.82	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	475	475	0.01	0.02	481
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.07	0.08	1.00	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	254	254	< 0.005	0.01	257
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	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	0.18	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	42.0	42.0	< 0.005	< 0.005	42.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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. Architectural Coating (2026) - Unmitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	7.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	7.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.20	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.3	24.3	< 0.005	< 0.005	24.4
Architectural Coatings	1.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.02	4.02	< 0.005	< 0.005	4.04
Architectural Coatings	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.13	0.11	1.98	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	490	490	0.01	0.02	497
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.13	0.13	1.71	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	466	466	0.01	0.02	472
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.02	0.02	0.32	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	86.0	86.0	< 0.005	< 0.005	87.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	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	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.2	14.2	< 0.005	< 0.005	14.4
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
Hauling	0.00	0.00	0.00	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. Architectural Coating (2026) - Mitigated

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

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	7.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.05	1.09	0.96	< 0.005	0.07	—	0.07	0.06	—	0.06	—	134	134	0.01	< 0.005	134
Architectu ral Coatings	7.19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.20	0.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.3	24.3	< 0.005	< 0.005	24.4
Architectural Coatings	1.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.02	4.02	< 0.005	< 0.005	4.04
Architectural Coatings	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	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	0.13	0.11	1.98	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	490	490	0.01	0.02	497
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.13	0.13	1.71	0.00	0.00	0.49	0.49	0.00	0.12	0.12	—	466	466	0.01	0.02	472
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	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	0.02	0.02	0.32	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	86.0	86.0	< 0.005	< 0.005	87.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	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	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.2	14.2	< 0.005	< 0.005	14.4
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
Hauling	0.00	0.00	0.00	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	1.74	1.36	15.8	0.04	0.02	3.97	4.00	0.02	1.01	1.03	—	4,266	4,266	0.18	0.16	4,332
Total	1.74	1.36	15.8	0.04	0.02	3.97	4.00	0.02	1.01	1.03	—	4,266	4,266	0.18	0.16	4,332
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00

Congregat e	1.72	1.48	14.6	0.04	0.02	3.97	4.00	0.02	1.01	1.03	—	4,101	4,101	0.19	0.16	4,155
Total	1.72	1.48	14.6	0.04	0.02	3.97	4.00	0.02	1.01	1.03	—	4,101	4,101	0.19	0.16	4,155
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregat e Care (Assisted Living)	0.31	0.27	2.73	0.01	< 0.005	0.72	0.72	< 0.005	0.18	0.19	—	686	686	0.03	0.03	696
Total	0.31	0.27	2.73	0.01	< 0.005	0.72	0.72	< 0.005	0.18	0.19	—	686	686	0.03	0.03	696

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregat e Care (Assisted Living)	1.74	1.36	15.8	0.04	0.02	3.97	4.00	0.02	1.01	1.03	—	4,266	4,266	0.18	0.16	4,332
Total	1.74	1.36	15.8	0.04	0.02	3.97	4.00	0.02	1.01	1.03	—	4,266	4,266	0.18	0.16	4,332
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	1.72	1.48	14.6	0.04	0.02	3.97	4.00	0.02	1.01	1.03	—	4,101	4,101	0.19	0.16	4,155
Total	1.72	1.48	14.6	0.04	0.02	3.97	4.00	0.02	1.01	1.03	—	4,101	4,101	0.19	0.16	4,155
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	0.31	0.27	2.73	0.01	< 0.005	0.72	0.72	< 0.005	0.18	0.19	—	686	686	0.03	0.03	696
Total	0.31	0.27	2.73	0.01	< 0.005	0.72	0.72	< 0.005	0.18	0.19	—	686	686	0.03	0.03	696

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	423	423	0.03	< 0.005	424

Congregat e Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	1,138	1,138	0.07	0.01	1,142
Total	—	—	—	—	—	—	—	—	—	—	—	1,561	1,561	0.10	0.01	1,567
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	423	423	0.03	< 0.005	424
Congregat e Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	1,138	1,138	0.07	0.01	1,142
Total	—	—	—	—	—	—	—	—	—	—	—	1,561	1,561	0.10	0.01	1,567
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	70.0	70.0	< 0.005	< 0.005	70.2
Congregat e Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	188	188	0.01	< 0.005	189
Total	—	—	—	—	—	—	—	—	—	—	—	258	258	0.02	< 0.005	259

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

Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	423	423	0.03	< 0.005	424
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	1,138	1,138	0.07	0.01	1,142
Total	—	—	—	—	—	—	—	—	—	—	—	1,561	1,561	0.10	0.01	1,567
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	423	423	0.03	< 0.005	424
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	1,138	1,138	0.07	0.01	1,142
Total	—	—	—	—	—	—	—	—	—	—	—	1,561	1,561	0.10	0.01	1,567
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	—	70.0	70.0	< 0.005	< 0.005	70.2
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	188	188	0.01	< 0.005	189
Total	—	—	—	—	—	—	—	—	—	—	—	258	258	0.02	< 0.005	259

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	758	758	0.07	< 0.005	760
Total	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	758	758	0.07	< 0.005	760
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	758	758	0.07	< 0.005	760
Total	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	758	758	0.07	< 0.005	760
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	126
Total	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	126

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	758	758	0.07	< 0.005	760
Total	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	758	758	0.07	< 0.005	760
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	758	758	0.07	< 0.005	760
Total	0.03	0.60	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	758	758	0.07	< 0.005	760
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	0.00

Congregat e Care (Assisted Living)	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	126
Total	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	126

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.19	3.18	1.35	0.02	0.26	—	0.26	0.26	—	0.26	0.00	4,036	4,036	0.08	0.01	4,041
Consumer Products	6.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectu ral Coatings	0.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscap e Equipmen t	1.66	0.15	15.7	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.1	47.1	< 0.005	< 0.005	47.3
Total	8.74	3.33	17.0	0.02	0.27	—	0.27	0.27	—	0.27	0.00	4,084	4,084	0.08	0.01	4,088
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.19	3.18	1.35	0.02	0.26	—	0.26	0.26	—	0.26	0.00	4,036	4,036	0.08	0.01	4,041
Consumer Products	6.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	0.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.08	3.18	1.35	0.02	0.26	—	0.26	0.26	—	0.26	0.00	4,036	4,036	0.08	0.01	4,041
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	45.8	45.8	< 0.005	< 0.005	45.8
Consumer Products	1.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	0.21	0.02	1.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.34	5.34	< 0.005	< 0.005	5.36
Total	1.47	0.06	1.98	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	51.1	51.1	< 0.005	< 0.005	51.2

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.19	3.18	1.35	0.02	0.26	—	0.26	0.26	—	0.26	0.00	4,036	4,036	0.08	0.01	4,041
Consumer Products	6.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	1.66	0.15	15.7	< 0.005	0.01	—	0.01	0.01	—	0.01	—	47.1	47.1	< 0.005	< 0.005	47.3
Total	8.74	3.33	17.0	0.02	0.27	—	0.27	0.27	—	0.27	0.00	4,084	4,084	0.08	0.01	4,088

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.19	3.18	1.35	0.02	0.26	—	0.26	0.26	—	0.26	0.00	4,036	4,036	0.08	0.01	4,041
Consumer Products	6.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.08	3.18	1.35	0.02	0.26	—	0.26	0.26	—	0.26	0.00	4,036	4,036	0.08	0.01	4,041
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	0.04	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	45.8	45.8	< 0.005	< 0.005	45.8
Consumer Products	1.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscaping Equipment	0.21	0.02	1.96	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.34	5.34	< 0.005	< 0.005	5.36
Total	1.47	0.06	1.98	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	51.1	51.1	< 0.005	< 0.005	51.2

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

Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	15.3	82.2	97.6	1.58	0.04	148
Total	—	—	—	—	—	—	—	—	—	—	15.3	82.2	97.6	1.58	0.04	148
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	15.3	82.2	97.6	1.58	0.04	148
Total	—	—	—	—	—	—	—	—	—	—	15.3	82.2	97.6	1.58	0.04	148
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	2.54	13.6	16.2	0.26	0.01	24.5
Total	—	—	—	—	—	—	—	—	—	—	2.54	13.6	16.2	0.26	0.01	24.5

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	15.3	80.9	96.2	1.58	0.04	147
Total	—	—	—	—	—	—	—	—	—	—	15.3	80.9	96.2	1.58	0.04	147
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	15.3	80.9	96.2	1.58	0.04	147
Total	—	—	—	—	—	—	—	—	—	—	15.3	80.9	96.2	1.58	0.04	147
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	2.54	13.4	15.9	0.26	0.01	24.3
Total	—	—	—	—	—	—	—	—	—	—	2.54	13.4	15.9	0.26	0.01	24.3

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Total	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Total	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00

Congregat e	—	—	—	—	—	—	—	—	—	—	51.7	0.00	51.7	5.17	0.00	181
Total	—	—	—	—	—	—	—	—	—	—	51.7	0.00	51.7	5.17	0.00	181

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Congregat e Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Total	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Congregat e Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Total	—	—	—	—	—	—	—	—	—	—	312	0.00	312	31.2	0.00	1,093
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Enclosed Parking Structure	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	51.7	0.00	51.7	5.17	0.00	181
Total	—	—	—	—	—	—	—	—	—	—	51.7	0.00	51.7	5.17	0.00	181

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregate Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Congregat Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregat e Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregat e Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.78
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Congregat e Care (Assisted Living)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.63

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.18	0.83	0.47	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	94.5	94.5	< 0.005	< 0.005	94.8
Total	0.18	0.83	0.47	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	94.5	94.5	< 0.005	< 0.005	94.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.18	0.83	0.47	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	94.5	94.5	< 0.005	< 0.005	94.8
Total	0.18	0.83	0.47	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	94.5	94.5	< 0.005	< 0.005	94.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.03	0.15	0.08	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	15.3	15.3	< 0.005	< 0.005	15.4
Total	0.03	0.15	0.08	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	15.3	15.3	< 0.005	< 0.005	15.4

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.18	0.83	0.47	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	94.5	94.5	< 0.005	< 0.005	94.8
Total	0.18	0.83	0.47	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	94.5	94.5	< 0.005	< 0.005	94.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.18	0.83	0.47	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	94.5	94.5	< 0.005	< 0.005	94.8
Total	0.18	0.83	0.47	< 0.005	0.03	0.00	0.03	0.03	0.00	0.03	0.00	94.5	94.5	< 0.005	< 0.005	94.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.03	0.15	0.08	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	15.3	15.3	< 0.005	< 0.005	15.4
Total	0.03	0.15	0.08	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	15.3	15.3	< 0.005	< 0.005	15.4

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

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

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

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

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

Sequester	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequester ed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequester ed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

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

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequester ed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequester ed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequester ed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	4/1/2024	5/31/2024	5.00	45.0	—
Site Preparation	Site Preparation	6/3/2024	7/12/2024	5.00	30.0	—
Grading	Grading	7/15/2024	8/16/2024	5.00	25.0	—
Building Construction	Building Construction	8/19/2024	4/3/2026	5.00	425	—
Paving	Paving	4/6/2026	4/24/2026	5.00	15.0	—
Architectural Coating	Architectural Coating	4/7/2025	4/3/2026	5.00	260	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 2	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Tier 2	2.00	8.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	8.00	84.0	0.37
Demolition	Excavators	Diesel	Tier 2	3.00	8.00	36.0	0.38
Site Preparation	Graders	Diesel	Tier 2	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Tier 2	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	4.00	8.00	84.0	0.37
Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 2	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.00	8.00	367	0.40

Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 2	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Tier 2	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 2	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 2	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 2	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Tier 2	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 2	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 2	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Tier 2	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Tier 2	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 2	1.00	8.00	33.0	0.73
Demolition	Rubber Tired Dozers	Diesel	Tier 2	2.00	8.00	367	0.40
Demolition	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	8.00	84.0	0.37
Demolition	Excavators	Diesel	Tier 2	3.00	8.00	36.0	0.38
Site Preparation	Graders	Diesel	Tier 2	1.00	8.00	148	0.41
Site Preparation	Scrapers	Diesel	Tier 2	1.00	8.00	423	0.48
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 2	4.00	8.00	84.0	0.37

Site Preparation	Rubber Tired Dozers	Diesel	Tier 2	3.00	8.00	367	0.40
Grading	Graders	Diesel	Tier 2	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 2	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 2	1.00	8.00	36.0	0.38
Building Construction	Cranes	Diesel	Tier 2	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 2	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 2	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 2	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 2	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Tier 2	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 2	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 2	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Tier 2	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 2	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Tier 2	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	22.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	14.1	35.0	HHDT

Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	22.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	35.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	275	35.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	200	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	36.3	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	35.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	35.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	37.6	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	35.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	22.5	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	14.1	35.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	22.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	35.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	275	35.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	200	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	36.3	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	35.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT
Paving	Hauling	0.00	35.0	HHDT
Paving	Onsite truck	—	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	37.6	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	35.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%
Sweep paved roads once per month	9%	9%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	603,450	201,150	294	32.7	392

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	55,000	—
Site Preparation	—	—	90.0	0.00	—
Grading	—	55,000	25.0	0.00	—

Paving	0.00	0.00	0.00	0.00	0.15

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Enclosed Parking Structure	0.15	100%
Congregate Care (Assisted Living)	—	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	532	0.03	< 0.005
2025	0.00	532	0.03	< 0.005
2026	0.00	532	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
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	537	537	537	195,917	5,614	5,614	5,614	2,049,196

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Enclosed Parking Structure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Congregate Care (Assisted Living)	537	537	537	195,917	5,614	5,614	5,614	2,049,196

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Congregate Care (Assisted Living)	—
Wood Fireplaces	0
Gas Fireplaces	192
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	21
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)
Congregate Care (Assisted Living)	—

Wood Fireplaces	0
Gas Fireplaces	192
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	21
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)
603450	201,150	294	32.7	392

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Enclosed Parking Structure	289,919	532	0.0330	0.0040	0.00
Congregate Care (Assisted Living)	780,823	532	0.0330	0.0040	2,365,758

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)
Enclosed Parking Structure	289,919	532	0.0330	0.0040	0.00
Congregate Care (Assisted Living)	780,823	532	0.0330	0.0040	2,365,758

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking Structure	0.00	0.00
Congregate Care (Assisted Living)	7,992,963	379,506

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Enclosed Parking Structure	0.00	0.00
Congregate Care (Assisted Living)	7,992,963	202,621

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking Structure	0.00	—
Congregate Care (Assisted Living)	580	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Enclosed Parking Structure	0.00	—
Congregate Care (Assisted Living)	580	—

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
Congregate Care (Assisted Living)	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Congregate Care (Assisted Living)	Household refrigerators and/or freezers	R-134a	1,430	0.22	0.60	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
Congregate Care (Assisted Living)	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Congregate Care (Assisted Living)	Household refrigerators and/or freezers	R-134a	1,430	0.22	0.60	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
Emergency Generator	Diesel	1.00	0.14	50.0	804	0.73

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

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. 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)

5.18.2.2. Mitigated

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

8. User Changes to Default Data

Screen	Justification
Land Use	Total project site is 3.10 acres.

Construction: Construction Phases	Construction is anticipated to begin Q2 2024 and end Q2 2026. Overlap of building construction and architectural coating.
Construction: Off-Road Equipment	Default equipment with Tier 2 construction equipment.
Construction: Trips and VMT	During peak construction, approximately 200 construction workers will be anticipated. Haul distance is 35 miles.
Operations: Vehicle Data	Based on a trip generation of 537 ADT.
Operations: Hearths	The originally proposed project would not include any woodburning fireplaces or wood stoves.

Bolsa Chica Senior Living Community Project - Existing Uses Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Bolsa Chica Senior Living Community Project - Existing Uses
Operational Year	2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.30
Precipitation (days)	19.2
Location	4972 Warner Ave, Huntington Beach, CA 92649, USA
County	Orange
City	Huntington Beach
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5855
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.22

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
General Office Building	34.9	1000sqft	0.80	34,893	0.00	—	—	—

Strip Mall	10.4	1000sqft	0.24	10,450	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.99	3.66	40.7	0.10	0.08	9.11	9.19	0.08	2.31	2.39	36.8	11,585	11,622	4.21	0.40	11,889
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.63	3.94	35.3	0.10	0.08	9.11	9.19	0.08	2.31	2.39	36.8	11,179	11,215	4.22	0.42	11,447
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.83	4.00	37.7	0.10	0.08	9.00	9.08	0.08	2.28	2.36	36.8	11,292	11,328	4.22	0.42	11,578
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.88	0.73	6.88	0.02	0.02	1.64	1.66	0.01	0.42	0.43	6.09	1,869	1,876	0.70	0.07	1,917

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.57	3.39	38.5	0.10	0.06	9.11	9.17	0.06	2.31	2.37	—	10,148	10,148	0.40	0.36	10,308
Area	1.41	0.02	1.97	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.11	8.11	< 0.005	< 0.005	8.14
Energy	0.01	0.25	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	1,359	1,359	0.09	0.01	1,364
Water	—	—	—	—	—	—	—	—	—	—	13.4	69.2	82.6	1.37	0.03	127
Waste	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.34	0.00	81.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15
Total	4.99	3.66	40.7	0.10	0.08	9.11	9.19	0.08	2.31	2.39	36.8	11,585	11,622	4.21	0.40	11,889
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.53	3.69	35.1	0.10	0.06	9.11	9.17	0.06	2.31	2.37	—	9,750	9,750	0.42	0.38	9,874
Area	1.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.01	0.25	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	1,359	1,359	0.09	0.01	1,364
Water	—	—	—	—	—	—	—	—	—	—	13.4	69.2	82.6	1.37	0.03	127
Waste	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.34	0.00	81.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15
Total	4.63	3.94	35.3	0.10	0.08	9.11	9.19	0.08	2.31	2.39	36.8	11,179	11,215	4.22	0.42	11,447
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.51	3.74	36.1	0.10	0.06	9.00	9.06	0.06	2.28	2.34	—	9,858	9,858	0.41	0.38	9,999
Area	1.31	0.01	1.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.55	5.55	< 0.005	< 0.005	5.57
Energy	0.01	0.25	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	1,359	1,359	0.09	0.01	1,364
Water	—	—	—	—	—	—	—	—	—	—	13.4	69.2	82.6	1.37	0.03	127
Waste	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.34	0.00	81.9
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15
Total	4.83	4.00	37.7	0.10	0.08	9.00	9.08	0.08	2.28	2.36	36.8	11,292	11,328	4.22	0.42	11,578

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.64	0.68	6.59	0.02	0.01	1.64	1.65	0.01	0.42	0.43	—	1,632	1,632	0.07	0.06	1,655
Area	0.24	< 0.005	0.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.92	0.92	< 0.005	< 0.005	0.92
Energy	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	225	225	0.02	< 0.005	226
Water	—	—	—	—	—	—	—	—	—	—	2.21	11.5	13.7	0.23	0.01	21.0
Waste	—	—	—	—	—	—	—	—	—	—	3.87	0.00	3.87	0.39	0.00	13.6
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02
Total	0.88	0.73	6.88	0.02	0.02	1.64	1.66	0.01	0.42	0.43	6.09	1,869	1,876	0.70	0.07	1,917

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	1.43	1.35	15.4	0.04	0.02	3.64	3.66	0.02	0.92	0.95	—	4,052	4,052	0.16	0.14	4,116
Strip Mall	2.14	2.03	23.1	0.06	0.04	5.47	5.51	0.03	1.39	1.42	—	6,096	6,096	0.24	0.22	6,192
Total	3.57	3.39	38.5	0.10	0.06	9.11	9.17	0.06	2.31	2.37	—	10,148	10,148	0.40	0.36	10,308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	1.41	1.47	14.0	0.04	0.02	3.64	3.66	0.02	0.92	0.95	—	3,893	3,893	0.17	0.15	3,943

Strip Mall	2.12	2.22	21.1	0.06	0.04	5.47	5.51	0.03	1.39	1.42	—	5,857	5,857	0.25	0.23	5,931
Total	3.53	3.69	35.1	0.10	0.06	9.11	9.17	0.06	2.31	2.37	—	9,750	9,750	0.42	0.38	9,874
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.26	0.27	2.63	0.01	< 0.005	0.66	0.66	< 0.005	0.17	0.17	—	652	652	0.03	0.03	661
Strip Mall	0.39	0.41	3.96	0.01	0.01	0.99	0.99	0.01	0.25	0.26	—	980	980	0.04	0.04	994
Total	0.64	0.68	6.59	0.02	0.01	1.64	1.65	0.01	0.42	0.43	—	1,632	1,632	0.07	0.06	1,655

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	906	906	0.06	0.01	910
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	150	150	0.01	< 0.005	150
Total	—	—	—	—	—	—	—	—	—	—	—	1,056	1,056	0.07	0.01	1,060
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	906	906	0.06	0.01	910
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	150	150	0.01	< 0.005	150
Total	—	—	—	—	—	—	—	—	—	—	—	1,056	1,056	0.07	0.01	1,060
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	150	150	0.01	< 0.005	151
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	24.8	24.8	< 0.005	< 0.005	24.9
Total	—	—	—	—	—	—	—	—	—	—	—	175	175	0.01	< 0.005	175

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.03	< 0.005	284
Strip Mall	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.1	20.1	< 0.005	< 0.005	20.1
Total	0.01	0.25	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	303	303	0.03	< 0.005	304
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	283	283	0.03	< 0.005	284
Strip Mall	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.1	20.1	< 0.005	< 0.005	20.1
Total	0.01	0.25	0.21	< 0.005	0.02	—	0.02	0.02	—	0.02	—	303	303	0.03	< 0.005	304
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.9	46.9	< 0.005	< 0.005	47.1
Strip Mall	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.32	3.32	< 0.005	< 0.005	3.33
Total	< 0.005	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.2	50.2	< 0.005	< 0.005	50.4

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.32	0.02	1.97	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.11	8.11	< 0.005	< 0.005	8.14
Total	1.41	0.02	1.97	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.11	8.11	< 0.005	< 0.005	8.14
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	1.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscap Equipment	0.04	< 0.005	0.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.92	0.92	< 0.005	< 0.005	0.92
Total	0.24	< 0.005	0.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.92	0.92	< 0.005	< 0.005	0.92

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	11.9	61.5	73.4	1.22	0.03	113
Strip Mall	—	—	—	—	—	—	—	—	—	—	1.48	7.68	9.16	0.15	< 0.005	14.1
Total	—	—	—	—	—	—	—	—	—	—	13.4	69.2	82.6	1.37	0.03	127
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	11.9	61.5	73.4	1.22	0.03	113
Strip Mall	—	—	—	—	—	—	—	—	—	—	1.48	7.68	9.16	0.15	< 0.005	14.1
Total	—	—	—	—	—	—	—	—	—	—	13.4	69.2	82.6	1.37	0.03	127
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	1.97	10.2	12.2	0.20	< 0.005	18.7
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.25	1.27	1.52	0.03	< 0.005	2.33
Total	—	—	—	—	—	—	—	—	—	—	2.21	11.5	13.7	0.23	0.01	21.0

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	17.5	0.00	17.5	1.75	0.00	61.2
Strip Mall	—	—	—	—	—	—	—	—	—	—	5.91	0.00	5.91	0.59	0.00	20.7
Total	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.34	0.00	81.9
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	17.5	0.00	17.5	1.75	0.00	61.2
Strip Mall	—	—	—	—	—	—	—	—	—	—	5.91	0.00	5.91	0.59	0.00	20.7
Total	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.34	0.00	81.9
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	10.1
Strip Mall	—	—	—	—	—	—	—	—	—	—	0.98	0.00	0.98	0.10	0.00	3.43
Total	—	—	—	—	—	—	—	—	—	—	3.87	0.00	3.87	0.39	0.00	13.6

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	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.08
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.15
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02

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

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

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

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

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

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	378	378	378	138,058	5,141	5,141	5,141	1,876,437

Strip Mall	569	569	569	207,686	7,734	7,734	7,734	2,822,803

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	68,015	22,672	—

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	621,803	532	0.0330	0.0040	884,414
Strip Mall	102,633	532	0.0330	0.0040	62,564

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	6,201,664	0.00
Strip Mall	774,058	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	32.5	—
Strip Mall	11.0	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

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

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

8. User Changes to Default Data

Screen	Justification
Operations: Vehicle Data	Based on a trip generation of 947 ADT.

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Bolsa Chica Senior Living Community Project - Originally Proposed Project
Orange County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	207.00	Space	0.15	82,800.00	0
City Park	0.55	Acre	0.55	23,958.00	0
Congregate Care (Assisted Living)	213.00	Dwelling Unit	2.40	298,000.00	609

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total project site is 3.10 acres

Construction Phase - Construction is anticipated to begin Q2 2024 and end Q2 2026. Overlap of building construction and architectural coating.

Off-road Equipment - Default equipment

Trips and VMT - During peak construction, approximately 200 construction workers will be anticipated. Haul distance is 35 miles.

Demolition - Demolition of existing commercial building

Grading - Project would have 55,000 cubic yards of soil cut

Vehicle Trips - Based on a trip generation of 537 ADT

Construction Off-road Equipment Mitigation - Project would comply with SCAQMD Rule 403 and use Tier 2 construction equipment

Mobile Land Use Mitigation -

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Area Mitigation -

Water Mitigation - The proposed project would be designed to include water efficient landscape requirements.

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps - project would include a 600 kW (804 HP) backup diesel generator

[illegible]

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	18.00	260.00
tblConstructionPhase	NumDays	230.00	425.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	8.00	25.00
tblConstructionPhase	NumDays	18.00	15.00
tblConstructionPhase	NumDays	5.00	30.00
tblGrading	MaterialExported	0.00	55,000.00
tblLandUse	LandUseSquareFeet	213,000.00	298,000.00
tblLandUse	LotAcreage	1.86	0.15
tblLandUse	LotAcreage	13.31	2.40
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	804.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.14
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	VendorTripNumber	40.00	39.00
tblTripsAndVMT	WorkerTripNumber	198.00	200.00
tblTripsAndVMT	WorkerTripNumber	40.00	38.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.93	2.52
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	3.15	2.52
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.60	2.52

2.0 Emissions Summary

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2224	2.5596	2.2242	7.7600e-003	0.6477	0.0847	0.7324	0.2623	0.0790	0.3413	0.0000	740.6512	740.6512	0.1154	0.0631	762.3395
2025	1.0567	1.9720	3.1053	7.2200e-003	0.3589	0.0763	0.4352	0.0960	0.0721	0.1681	0.0000	647.8306	647.8306	0.0828	0.0180	655.2757
2026	0.3498	0.5720	0.9052	2.0400e-003	0.0974	0.0227	0.1201	0.0261	0.0214	0.0475	0.0000	182.1894	182.1894	0.0252	4.5900e-003	184.1879
Maximum	1.0567	2.5596	3.1053	7.7600e-003	0.6477	0.0847	0.7324	0.2623	0.0790	0.3413	0.0000	740.6512	740.6512	0.1154	0.0631	762.3395

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1514	3.5289	2.5410	7.7600e-003	0.4202	0.0941	0.5143	0.1529	0.0938	0.2467	0.0000	740.6509	740.6509	0.1154	0.0631	762.3392
2025	1.0138	3.5350	3.3410	7.2200e-003	0.3589	0.1296	0.4884	0.0960	0.1294	0.2255	0.0000	647.8302	647.8302	0.0828	0.0180	655.2753
2026	0.3378	1.0479	0.9761	2.0400e-003	0.0974	0.0383	0.1357	0.0261	0.0383	0.0643	0.0000	182.1893	182.1893	0.0252	4.5900e-003	184.1878
Maximum	1.0138	3.5350	3.3410	7.7600e-003	0.4202	0.1296	0.5143	0.1529	0.1294	0.2467	0.0000	740.6509	740.6509	0.1154	0.0631	762.3392

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.73	-58.94	-10.00	0.00	20.60	-42.59	11.59	28.46	-51.66	3.65	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2024	6-30-2024	0.8281	1.1144
2	7-1-2024	9-30-2024	1.2519	1.5243
3	10-1-2024	12-31-2024	0.5688	0.8882
4	1-1-2025	3-31-2025	0.5195	0.8666
5	4-1-2025	6-30-2025	0.8114	1.1972
6	7-1-2025	9-30-2025	0.8410	1.2336
7	10-1-2025	12-31-2025	0.8460	1.2386
8	1-1-2026	3-31-2026	0.8252	1.2093
9	4-1-2026	6-30-2026	0.0845	0.1549
		Highest	1.2519	1.5243

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.0369	0.0805	3.5512	3.5700e-003		0.2156	0.2156		0.2156	0.2156	22.6247	47.0701	69.6947	0.0709	1.5400e-003	71.9254
Energy	0.0128	0.1094	0.0466	7.0000e-004		8.8500e-003	8.8500e-003		8.8500e-003	8.8500e-003	0.0000	348.6456	348.6456	0.0212	4.5900e-003	350.5435
Mobile	0.2428	0.2655	2.4874	5.8600e-003	0.6910	3.9700e-003	0.6949	0.1844	3.7000e-003	0.1881	0.0000	541.6282	541.6282	0.0330	0.0228	549.2420
Stationary	0.0330	0.1475	0.0841	1.6000e-004		4.8500e-003	4.8500e-003		4.8500e-003	4.8500e-003	0.0000	15.3081	15.3081	2.1500e-003	0.0000	15.3617
Waste						0.0000	0.0000		0.0000	0.0000	39.4635	0.0000	39.4635	2.3322	0.0000	97.7691
Water						0.0000	0.0000		0.0000	0.0000	4.4028	50.5764	54.9792	0.4565	0.0112	69.7272
Total	2.3255	0.6030	6.1693	0.0103	0.6910	0.2332	0.9242	0.1844	0.2330	0.4174	66.4909	1,003.2283	1,069.7192	2.9160	0.0401	1,154.5688

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.3439	0.0651	2.2141	3.7000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	49.6275	49.6275	4.3300e-003	8.4000e-004	49.9873
Energy	0.0128	0.1094	0.0466	7.0000e-004		8.8500e-003	8.8500e-003		8.8500e-003	8.8500e-003	0.0000	348.6456	348.6456	0.0212	4.5900e-003	350.5435
Mobile	0.2428	0.2655	2.4874	5.8600e-003	0.6910	3.9700e-003	0.6949	0.1844	3.7000e-003	0.1881	0.0000	541.6282	541.6282	0.0330	0.0228	549.2420
Stationary	0.0330	0.1475	0.0841	1.6000e-004		4.8500e-003	4.8500e-003		4.8500e-003	4.8500e-003	0.0000	15.3081	15.3081	2.1500e-003	0.0000	15.3617
Waste						0.0000	0.0000		0.0000	0.0000	39.4635	0.0000	39.4635	2.3322	0.0000	97.7691
Water						0.0000	0.0000		0.0000	0.0000	4.4028	49.4461	53.8489	0.4564	0.0112	68.5911
Total	1.6325	0.5875	4.8322	7.0900e-003	0.6910	0.0331	0.7240	0.1844	0.0328	0.2172	43.8663	1,004.6555	1,048.5217	2.8493	0.0394	1,131.4946

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	29.80	2.57	21.67	31.10	0.00	85.82	21.66	0.00	85.92	47.96	34.03	-0.14	1.98	2.29	1.80	2.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2024	5/31/2024	5	45	
2	Site Preparation	Site Preparation	6/3/2024	7/12/2024	5	30	

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3	Grading	Grading	7/15/2024	8/16/2024	5	25
4	Building Construction	Building Construction	8/19/2024	4/3/2026	5	425
5	Architectural Coating	Architectural Coating	4/7/2025	4/3/2026	5	260
6	Paving	Paving	4/6/2026	4/24/2026	5	15

Acres of Grading (Site Preparation Phase): 45**Acres of Grading (Grading Phase): 25****Acres of Paving: 0.15**

Residential Indoor: 603,450; Residential Outdoor: 201,150; Non-Residential Indoor: 35,529; Non-Residential Outdoor: 11,843; Striped Parking Area: 4,968 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56

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Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	250.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	6,875.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	200.00	39.00	0.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	38.00	0.00	0.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0271	0.0000	0.0271	4.1000e-003	0.0000	4.1000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0505	0.4698	0.4434	8.7000e-004		0.0216	0.0216		0.0201	0.0201	0.0000	76.4911	76.4911	0.0214	0.0000	77.0261
Total	0.0505	0.4698	0.4434	8.7000e-004	0.0271	0.0216	0.0487	4.1000e-003	0.0201	0.0242	0.0000	76.4911	76.4911	0.0214	0.0000	77.0261

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6000e-004	0.0256	7.9000e-003	1.2000e-004	3.7500e-003	1.7000e-004	3.9300e-003	1.0300e-003	1.7000e-004	1.2000e-003	0.0000	12.3070	12.3070	1.2900e-003	1.9800e-003	12.9280
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-004	6.1000e-004	9.1400e-003	3.0000e-005	3.7100e-003	2.0000e-005	3.7200e-003	9.8000e-004	2.0000e-005	1.0000e-003	0.0000	2.7278	2.7278	6.0000e-005	6.0000e-005	2.7482
Total	1.2600e-003	0.0262	0.0170	1.5000e-004	7.4600e-003	1.9000e-004	7.6500e-003	2.0100e-003	1.9000e-004	2.2000e-003	0.0000	15.0347	15.0347	1.3500e-003	2.0400e-003	15.6761

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0122	0.0000	0.0122	1.8400e-003	0.0000	1.8400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0284	0.7349	0.5552	8.7000e-004		0.0206	0.0206		0.0206	0.0206	0.0000	76.4910	76.4910	0.0214	0.0000	77.0260
Total	0.0284	0.7349	0.5552	8.7000e-004	0.0122	0.0206	0.0327	1.8400e-003	0.0206	0.0224	0.0000	76.4910	76.4910	0.0214	0.0000	77.0260

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6000e-004	0.0256	7.9000e-003	1.2000e-004	3.7500e-003	1.7000e-004	3.9300e-003	1.0300e-003	1.7000e-004	1.2000e-003	0.0000	12.3070	12.3070	1.2900e-003	1.9800e-003	12.9280
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-004	6.1000e-004	9.1400e-003	3.0000e-005	3.7100e-003	2.0000e-005	3.7200e-003	9.8000e-004	2.0000e-005	1.0000e-003	0.0000	2.7278	2.7278	6.0000e-005	6.0000e-005	2.7482
Total	1.2600e-003	0.0262	0.0170	1.5000e-004	7.4600e-003	1.9000e-004	7.6500e-003	2.0100e-003	1.9000e-004	2.2000e-003	0.0000	15.0347	15.0347	1.3500e-003	2.0400e-003	15.6761

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2949	0.0000	0.2949	0.1515	0.0000	0.1515	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4076	0.2750	5.7000e-004		0.0184	0.0184		0.0170	0.0170	0.0000	50.1856	50.1856	0.0162	0.0000	50.5914
Total	0.0399	0.4076	0.2750	5.7000e-004	0.2949	0.0184	0.3133	0.1515	0.0170	0.1685	0.0000	50.1856	50.1856	0.0162	0.0000	50.5914

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	4.9000e-004	7.3200e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	2.1822	2.1822	5.0000e-005	5.0000e-005	2.1986
Total	7.2000e-004	4.9000e-004	7.3200e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	2.1822	2.1822	5.0000e-005	5.0000e-005	2.1986

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3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1327	0.0000	0.1327	0.0682	0.0000	0.0682	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0181	0.5058	0.3444	5.7000e-004		0.0142	0.0142		0.0142	0.0142	0.0000	50.1855	50.1855	0.0162	0.0000	50.5913
Total	0.0181	0.5058	0.3444	5.7000e-004	0.1327	0.0142	0.1469	0.0682	0.0142	0.0824	0.0000	50.1855	50.1855	0.0162	0.0000	50.5913

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	4.9000e-004	7.3200e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	2.1822	2.1822	5.0000e-005	5.0000e-005	2.1986
Total	7.2000e-004	4.9000e-004	7.3200e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	2.1822	2.1822	5.0000e-005	5.0000e-005	2.1986

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3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0916	0.0000	0.0916	0.0433	0.0000	0.0433	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0208	0.2129	0.1845	3.7000e-004		9.0600e-003	9.0600e-003		8.3300e-003	8.3300e-003	0.0000	32.5799	32.5799	0.0105	0.0000	32.8433
Total	0.0208	0.2129	0.1845	3.7000e-004	0.0916	9.0600e-003	0.1007	0.0433	8.3300e-003	0.0516	0.0000	32.5799	32.5799	0.0105	0.0000	32.8433

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.7700e-003	0.7035	0.2173	3.2600e-003	0.1032	4.7900e-003	0.1080	0.0283	4.5900e-003	0.0329	0.0000	338.4412	338.4412	0.0354	0.0543	355.5187
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.4000e-004	5.0800e-003	2.0000e-005	2.0600e-003	1.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.5154	1.5154	3.0000e-005	4.0000e-005	1.5268
Total	0.0103	0.7038	0.2224	3.2800e-003	0.1053	4.8000e-003	0.1101	0.0289	4.6000e-003	0.0335	0.0000	339.9566	339.9566	0.0355	0.0544	357.0455

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3.4 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0412	0.0000	0.0412	0.0195	0.0000	0.0195	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0126	0.3285	0.2374	3.7000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	32.5799	32.5799	0.0105	0.0000	32.8433
Total	0.0126	0.3285	0.2374	3.7000e-004	0.0412	9.6600e-003	0.0509	0.0195	9.6600e-003	0.0291	0.0000	32.5799	32.5799	0.0105	0.0000	32.8433

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.7700e-003	0.7035	0.2173	3.2600e-003	0.1032	4.7900e-003	0.1080	0.0283	4.5900e-003	0.0329	0.0000	338.4412	338.4412	0.0354	0.0543	355.5187
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	3.4000e-004	5.0800e-003	2.0000e-005	2.0600e-003	1.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.5154	1.5154	3.0000e-005	4.0000e-005	1.5268
Total	0.0103	0.7038	0.2224	3.2800e-003	0.1053	4.8000e-003	0.1101	0.0289	4.6000e-003	0.0335	0.0000	339.9566	339.9566	0.0355	0.0544	357.0455

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3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0714	0.6520	0.7841	1.3100e-003		0.0298	0.0298		0.0280	0.0280	0.0000	112.4468	112.4468	0.0266	0.0000	113.1116
Total	0.0714	0.6520	0.7841	1.3100e-003		0.0298	0.0298		0.0280	0.0280	0.0000	112.4468	112.4468	0.0266	0.0000	113.1116

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8500e-003	0.0692	0.0277	3.3000e-004	0.0119	3.6000e-004	0.0123	3.4400e-003	3.4000e-004	3.7800e-003	0.0000	33.3767	33.3767	2.0300e-003	4.8100e-003	34.8618
Worker	0.0258	0.0176	0.2628	8.5000e-004	0.1065	5.3000e-004	0.1070	0.0283	4.8000e-004	0.0288	0.0000	78.3976	78.3976	1.7100e-003	1.8300e-003	78.9851
Total	0.0276	0.0868	0.2905	1.1800e-003	0.1184	8.9000e-004	0.1193	0.0317	8.2000e-004	0.0325	0.0000	111.7743	111.7743	3.7400e-003	6.6400e-003	113.8469

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3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0524	1.1424	0.8669	1.3100e-003		0.0438	0.0438		0.0438	0.0438	0.0000	112.4467	112.4467	0.0266	0.0000	113.1114
Total	0.0524	1.1424	0.8669	1.3100e-003		0.0438	0.0438		0.0438	0.0438	0.0000	112.4467	112.4467	0.0266	0.0000	113.1114

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8500e-003	0.0692	0.0277	3.3000e-004	0.0119	3.6000e-004	0.0123	3.4400e-003	3.4000e-004	3.7800e-003	0.0000	33.3767	33.3767	2.0300e-003	4.8100e-003	34.8618
Worker	0.0258	0.0176	0.2628	8.5000e-004	0.1065	5.3000e-004	0.1070	0.0283	4.8000e-004	0.0288	0.0000	78.3976	78.3976	1.7100e-003	1.8300e-003	78.9851
Total	0.0276	0.0868	0.2905	1.1800e-003	0.1184	8.9000e-004	0.1193	0.0317	8.2000e-004	0.0325	0.0000	111.7743	111.7743	3.7400e-003	6.6400e-003	113.8469

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9000e-003	0.1854	0.0742	8.8000e-004	0.0321	9.7000e-004	0.0330	9.2500e-003	9.2000e-004	0.0102	0.0000	88.1274	88.1274	5.5400e-003	0.0128	92.0687
Worker	0.0655	0.0428	0.6642	2.2200e-003	0.2865	1.3500e-003	0.2879	0.0761	1.2400e-003	0.0773	0.0000	203.7789	203.7789	4.1900e-003	4.6300e-003	205.2621
Total	0.0704	0.2282	0.7383	3.1000e-003	0.3186	2.3200e-003	0.3209	0.0853	2.1600e-003	0.0875	0.0000	291.9062	291.9062	9.7300e-003	0.0174	297.3307

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1411	3.0739	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1411	3.0739	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9000e-003	0.1854	0.0742	8.8000e-004	0.0321	9.7000e-004	0.0330	9.2500e-003	9.2000e-004	0.0102	0.0000	88.1274	88.1274	5.5400e-003	0.0128	92.0687
Worker	0.0655	0.0428	0.6642	2.2200e-003	0.2865	1.3500e-003	0.2879	0.0761	1.2400e-003	0.0773	0.0000	203.7789	203.7789	4.1900e-003	4.6300e-003	205.2621
Total	0.0704	0.2282	0.7383	3.1000e-003	0.3186	2.3200e-003	0.3209	0.0853	2.1600e-003	0.0875	0.0000	291.9062	291.9062	9.7300e-003	0.0174	297.3307

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0458	0.4177	0.5388	9.0000e-004		0.0177	0.0177		0.0166	0.0166	0.0000	77.6930	77.6930	0.0183	0.0000	78.1496
Total	0.0458	0.4177	0.5388	9.0000e-004		0.0177	0.0177		0.0166	0.0166	0.0000	77.6930	77.6930	0.0183	0.0000	78.1496

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2400e-003	0.0472	0.0190	2.2000e-004	8.2300e-003	2.5000e-004	8.4800e-003	2.3700e-003	2.4000e-004	2.6100e-003	0.0000	22.1895	22.1895	1.4400e-003	3.2300e-003	23.1867
Worker	0.0160	0.0101	0.1612	5.5000e-004	0.0736	3.3000e-004	0.0739	0.0195	3.0000e-004	0.0198	0.0000	50.7015	50.7015	9.8000e-004	1.1300e-003	51.0615
Total	0.0172	0.0573	0.1802	7.7000e-004	0.0818	5.8000e-004	0.0824	0.0219	5.4000e-004	0.0225	0.0000	72.8909	72.8909	2.4200e-003	4.3600e-003	74.2482

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0362	0.7891	0.5988	9.0000e-004		0.0303	0.0303		0.0303	0.0303	0.0000	77.6929	77.6929	0.0183	0.0000	78.1495
Total	0.0362	0.7891	0.5988	9.0000e-004		0.0303	0.0303		0.0303	0.0303	0.0000	77.6929	77.6929	0.0183	0.0000	78.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2400e-003	0.0472	0.0190	2.2000e-004	8.2300e-003	2.5000e-004	8.4800e-003	2.3700e-003	2.4000e-004	2.6100e-003	0.0000	22.1895	22.1895	1.4400e-003	3.2300e-003	23.1867
Worker	0.0160	0.0101	0.1612	5.5000e-004	0.0736	3.3000e-004	0.0739	0.0195	3.0000e-004	0.0198	0.0000	50.7015	50.7015	9.8000e-004	1.1300e-003	51.0615
Total	0.0172	0.0573	0.1802	7.7000e-004	0.0818	5.8000e-004	0.0824	0.0219	5.4000e-004	0.0225	0.0000	72.8909	72.8909	2.4200e-003	4.3600e-003	74.2482

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7821					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0165	0.1105	0.1746	2.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	24.6389	24.6389	1.3400e-003	0.0000	24.6725
Total	0.7986	0.1105	0.1746	2.9000e-004		4.9700e-003	4.9700e-003		4.9700e-003	4.9700e-003	0.0000	24.6389	24.6389	1.3400e-003	0.0000	24.6725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2000e-003	6.0100e-003	0.0933	3.1000e-004	0.0403	1.9000e-004	0.0405	0.0107	1.7000e-004	0.0109	0.0000	28.6305	28.6305	5.9000e-004	6.5000e-004	28.8389
Total	9.2000e-003	6.0100e-003	0.0933	3.1000e-004	0.0403	1.9000e-004	0.0405	0.0107	1.7000e-004	0.0109	0.0000	28.6305	28.6305	5.9000e-004	6.5000e-004	28.8389

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7821					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.2270	0.1768	2.9000e-004		9.1800e-003	9.1800e-003		9.1800e-003	9.1800e-003	0.0000	24.6389	24.6389	1.3400e-003	0.0000	24.6725
Total	0.7931	0.2270	0.1768	2.9000e-004		9.1800e-003	9.1800e-003		9.1800e-003	9.1800e-003	0.0000	24.6389	24.6389	1.3400e-003	0.0000	24.6725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2000e-003	6.0100e-003	0.0933	3.1000e-004	0.0403	1.9000e-004	0.0405	0.0107	1.7000e-004	0.0109	0.0000	28.6305	28.6305	5.9000e-004	6.5000e-004	28.8389
Total	9.2000e-003	6.0100e-003	0.0933	3.1000e-004	0.0403	1.9000e-004	0.0405	0.0107	1.7000e-004	0.0109	0.0000	28.6305	28.6305	5.9000e-004	6.5000e-004	28.8389

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3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2715					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.7200e-003	0.0384	0.0606	1.0000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	8.5534	8.5534	4.7000e-004	0.0000	8.5651
Total	0.2772	0.0384	0.0606	1.0000e-004		1.7300e-003	1.7300e-003		1.7300e-003	1.7300e-003	0.0000	8.5534	8.5534	4.7000e-004	0.0000	8.5651

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0300e-003	1.9100e-003	0.0306	1.1000e-004	0.0140	6.0000e-005	0.0140	3.7100e-003	6.0000e-005	3.7700e-003	0.0000	9.6333	9.6333	1.9000e-004	2.1000e-004	9.7017
Total	3.0300e-003	1.9100e-003	0.0306	1.1000e-004	0.0140	6.0000e-005	0.0140	3.7100e-003	6.0000e-005	3.7700e-003	0.0000	9.6333	9.6333	1.9000e-004	2.1000e-004	9.7017

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3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2715					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8200e-003	0.0788	0.0614	1.0000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	8.5534	8.5534	4.7000e-004	0.0000	8.5651
Total	0.2753	0.0788	0.0614	1.0000e-004		3.1900e-003	3.1900e-003		3.1900e-003	3.1900e-003	0.0000	8.5534	8.5534	4.7000e-004	0.0000	8.5651

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0300e-003	1.9100e-003	0.0306	1.1000e-004	0.0140	6.0000e-005	0.0140	3.7100e-003	6.0000e-005	3.7700e-003	0.0000	9.6333	9.6333	1.9000e-004	2.1000e-004	9.7017
Total	3.0300e-003	1.9100e-003	0.0306	1.1000e-004	0.0140	6.0000e-005	0.0140	3.7100e-003	6.0000e-005	3.7700e-003	0.0000	9.6333	9.6333	1.9000e-004	2.1000e-004	9.7017

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3.7 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.1500e-003	0.0565	0.0913	1.4000e-004		2.6400e-003	2.6400e-003		2.4400e-003	2.4400e-003	0.0000	12.2837	12.2837	3.8600e-003	0.0000	12.3802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.1500e-003	0.0565	0.0913	1.4000e-004		2.6400e-003	2.6400e-003		2.4400e-003	2.4400e-003	0.0000	12.2837	12.2837	3.8600e-003	0.0000	12.3802

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.2000e-004	3.6100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.1351	1.1351	2.0000e-005	3.0000e-005	1.1432
Total	3.6000e-004	2.2000e-004	3.6100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.1351	1.1351	2.0000e-005	3.0000e-005	1.1432

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Paving - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6400e-003	0.1206	0.1015	1.4000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003	0.0000	12.2837	12.2837	3.8600e-003	0.0000	12.3802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.6400e-003	0.1206	0.1015	1.4000e-004		4.2000e-003	4.2000e-003		4.2000e-003	4.2000e-003	0.0000	12.2837	12.2837	3.8600e-003	0.0000	12.3802

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.2000e-004	3.6100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.1351	1.1351	2.0000e-005	3.0000e-005	1.1432
Total	3.6000e-004	2.2000e-004	3.6100e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.1351	1.1351	2.0000e-005	3.0000e-005	1.1432

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2428	0.2655	2.4874	5.8600e-003	0.6910	3.9700e-003	0.6949	0.1844	3.7000e-003	0.1881	0.0000	541.6282	541.6282	0.0330	0.0228	549.2420
Unmitigated	0.2428	0.2655	2.4874	5.8600e-003	0.6910	3.9700e-003	0.6949	0.1844	3.7000e-003	0.1881	0.0000	541.6282	541.6282	0.0330	0.0228	549.2420

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	536.76	536.76	536.76	1,834,190	1,834,190
Enclosed Parking Structure	0.00	0.00	0.00		
Total	536.76	536.76	536.76	1,834,190	1,834,190

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Congregate Care (Assisted Living)	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Enclosed Parking Structure	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	221.9135	221.9135	0.0187	2.2700e-003	223.0583
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	221.9135	221.9135	0.0187	2.2700e-003	223.0583
NaturalGas Mitigated	0.0128	0.1094	0.0466	7.0000e-004		8.8500e-003	8.8500e-003		8.8500e-003	8.8500e-003	0.0000	126.7321	126.7321	2.4300e-003	2.3200e-003	127.4852
NaturalGas Unmitigated	0.0128	0.1094	0.0466	7.0000e-004		8.8500e-003	8.8500e-003		8.8500e-003	8.8500e-003	0.0000	126.7321	126.7321	2.4300e-003	2.3200e-003	127.4852

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	2.37487e+006	0.0128	0.1094	0.0466	7.0000e-004		8.8500e-003	8.8500e-003		8.8500e-003	8.8500e-003	0.0000	126.7321	126.7321	2.4300e-003	2.3200e-003	127.4852
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0128	0.1094	0.0466	7.0000e-004		8.8500e-003	8.8500e-003		8.8500e-003	8.8500e-003	0.0000	126.7321	126.7321	2.4300e-003	2.3200e-003	127.4852

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	2.37487e+006	0.0128	0.1094	0.0466	7.0000e-004		8.8500e-003	8.8500e-003		8.8500e-003	8.8500e-003	0.0000	126.7321	126.7321	2.4300e-003	2.3200e-003	127.4852
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0128	0.1094	0.0466	7.0000e-004		8.8500e-003	8.8500e-003		8.8500e-003	8.8500e-003	0.0000	126.7321	126.7321	2.4300e-003	2.3200e-003	127.4852

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	816606	144.8214	0.0122	1.4800e-003	145.5685
Enclosed Parking Structure	434700	77.0921	6.5100e-003	7.9000e-004	77.4898
Total		221.9135	0.0187	2.2700e-003	223.0583

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	816606	144.8214	0.0122	1.4800e-003	145.5685
Enclosed Parking Structure	434700	77.0921	6.5100e-003	7.9000e-004	77.4898
Total		221.9135	0.0187	2.2700e-003	223.0583

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.3439	0.0651	2.2141	3.7000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	49.6275	49.6275	4.3300e-003	8.4000e-004	49.9873
Unmitigated	2.0369	0.0805	3.5512	3.5700e-003		0.2156	0.2156		0.2156	0.2156	22.6247	47.0701	69.6947	0.0709	1.5400e-003	71.9254

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1054					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1678					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.6977	0.0552	1.3540	3.4500e-003		0.2034	0.2034		0.2034	0.2034	22.6247	43.4768	66.1015	0.0675	1.5400e-003	68.2459
Landscaping	0.0661	0.0253	2.1972	1.2000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	3.5933	3.5933	3.4500e-003	0.0000	3.6795
Total	2.0369	0.0805	3.5512	3.5700e-003		0.2156	0.2156		0.2156	0.2156	22.6247	47.0701	69.6947	0.0709	1.5400e-003	71.9254

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1054					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1678					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.6500e-003	0.0398	0.0169	2.5000e-004		3.2100e-003	3.2100e-003		3.2100e-003	3.2100e-003	0.0000	46.0343	46.0343	8.8000e-004	8.4000e-004	46.3079
Landscaping	0.0661	0.0253	2.1972	1.2000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	3.5933	3.5933	3.4500e-003	0.0000	3.6795
Total	1.3439	0.0651	2.2141	3.7000e-004		0.0154	0.0154		0.0154	0.0154	0.0000	49.6275	49.6275	4.3300e-003	8.4000e-004	49.9873

7.0 Water Detail**7.1 Mitigation Measures Water**

Use Water Efficient Irrigation System

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	53.8489	0.4564	0.0112	68.5911
Unmitigated	54.9792	0.4565	0.0112	69.7272

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.655315	1.2912	1.1000e-004	1.0000e-005	1.2978
Congregate Care (Assisted Living)	13.8778 / 8.74905	53.6880	0.4564	0.0112	68.4294
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		54.9792	0.4565	0.0112	69.7272

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.615341	1.2124	1.0000e-004	1.0000e-005	1.2187
Congregate Care (Assisted Living)	13.8778 / 8.21536	52.6365	0.4563	0.0112	67.3724
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		53.8489	0.4564	0.0112	68.5911

8.0 Waste Detail

8.1 Mitigation Measures Waste

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	39.4635	2.3322	0.0000	97.7691
Unmitigated	39.4635	2.3322	0.0000	97.7691

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.05	0.0102	6.0000e-004	0.0000	0.0252
Congregate Care (Assisted Living)	194.36	39.4533	2.3316	0.0000	97.7439
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		39.4635	2.3322	0.0000	97.7691

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.05	0.0102	6.0000e-004	0.0000	0.0252
Congregate Care (Assisted Living)	194.36	39.4533	2.3316	0.0000	97.7439
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Total		39.4635	2.3322	0.0000	97.7691

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.14	50	804	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Bolsa Chica Senior Living Community Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type

Number

10.1 Stationary Sources**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.0330	0.1475	0.0841	1.6000e-004		4.8500e-003	4.8500e-003		4.8500e-003	4.8500e-003	0.0000	15.3081	15.3081	2.1500e-003	0.0000	15.3617
Total	0.0330	0.1475	0.0841	1.6000e-004		4.8500e-003	4.8500e-003		4.8500e-003	4.8500e-003	0.0000	15.3081	15.3081	2.1500e-003	0.0000	15.3617

11.0 Vegetation

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Bolsa Chica Senior Living Community Project - Originally Proposed Project
Orange County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	207.00	Space	0.15	82,800.00	0
City Park	0.55	Acre	0.55	23,958.00	0
Congregate Care (Assisted Living)	213.00	Dwelling Unit	2.40	298,000.00	609

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total project site is 3.10 acres

Construction Phase - Construction is anticipated to begin Q2 2024 and end Q2 2026. Overlap of building construction and architectural coating.

Off-road Equipment - Default equipment

Trips and VMT - During peak construction, approximately 200 construction workers will be anticipated. Haul distance is 35 miles.

Demolition - Demolition of existing commercial building

Grading - Project would have 55,000 cubic yards of soil cut

Vehicle Trips - Based on a trip generation of 537 ADT

Construction Off-road Equipment Mitigation - Project would comply with SCAQMD Rule 403 and use Tier 2 construction equipment

Mobile Land Use Mitigation -

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Area Mitigation -

Water Mitigation - The proposed project would be designed to include water efficient landscape requirements.

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps - project would include a 600 kW (804 HP) backup diesel generator

[illegible]

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	18.00	260.00
tblConstructionPhase	NumDays	230.00	425.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	8.00	25.00
tblConstructionPhase	NumDays	18.00	15.00
tblConstructionPhase	NumDays	5.00	30.00
tblGrading	MaterialExported	0.00	55,000.00
tblLandUse	LandUseSquareFeet	213,000.00	298,000.00
tblLandUse	LotAcreage	1.86	0.15
tblLandUse	LotAcreage	13.31	2.40
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	804.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.14
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	VendorTripNumber	40.00	39.00
tblTripsAndVMT	WorkerTripNumber	198.00	200.00
tblTripsAndVMT	WorkerTripNumber	40.00	38.00

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.93	2.52
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	3.15	2.52
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.60	2.52

2.0 Emissions Summary

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.7085	70.4724	32.5240	0.2920	19.8582	1.2303	21.0885	10.1558	1.1319	11.2877	0.0000	32,850.22 77	32,850.22 77	4.0564	4.7932	34,380.01 10
2025	10.2758	15.3200	24.8025	0.0577	2.9096	0.5988	3.5084	0.7773	0.5662	1.3434	0.0000	5,703.974 6	5,703.974 6	0.7042	0.1508	5,766.511 4
2026	10.2443	15.2806	24.4538	0.0569	2.9096	0.5982	3.5078	0.7773	0.5656	1.3429	0.0000	5,624.308 3	5,624.308 3	0.7012	0.1469	5,685.614 3
Maximum	10.2758	70.4724	32.5240	0.2920	19.8582	1.2303	21.0885	10.1558	1.1319	11.2877	0.0000	32,850.22 77	32,850.22 77	4.0564	4.7932	34,380.01 10

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.8449	79.7205	36.7552	0.2920	11.8550	1.1565	13.0115	4.5995	1.1398	5.5465	0.0000	32,850.22 77	32,850.22 77	4.0564	4.7932	34,380.01 10
2025	9.9323	27.6116	26.6149	0.0577	2.9096	1.0183	3.9280	0.7773	1.0170	1.7943	0.0000	5,703.974 6	5,703.974 6	0.7042	0.1508	5,766.511 4
2026	9.9008	27.5722	26.2662	0.0569	2.9096	1.0177	3.9274	0.7773	1.0165	1.7938	0.0000	5,624.308 3	5,624.308 3	0.7012	0.1469	5,685.614 3
Maximum	9.9323	79.7205	36.7552	0.2920	11.8550	1.1565	13.0115	4.5995	1.1398	5.5465	0.0000	32,850.22 77	32,850.22 77	4.0564	4.7932	34,380.01 10

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.68	-33.47	-9.61	0.00	31.17	-31.53	25.75	47.45	-40.19	34.63	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	63.3188	4.6218	125.8988	0.2773		16.3682	16.3682		16.3682	16.3682	1,995.1536	3,865.6871	5,860.8407	5.9804	0.1354	6,050.7037
Energy	0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183
Mobile	1.3732	1.3401	13.7137	0.0332	3.8650	0.0219	3.8868	1.0302	0.0203	1.0505		3,377.2291	3,377.2291	0.1954	0.1319	3,421.4239
Stationary	0.1847	0.8261	0.4710	8.9000e-004		0.0272	0.0272		0.0272	0.0272		94.4957	94.4957	0.0133		94.8269
Total	64.9469	7.3875	140.3386	0.3151	3.8650	16.4657	20.3307	1.0302	16.4642	17.4944	1,995.1536	8,102.8814	10,098.0350	6.2037	0.2814	10,336.9728

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.8772	3.3824	18.9304	0.0212		0.3546	0.3546		0.3546	0.3546	0.0000	4,091.2165	4,091.2165	0.1082	0.0744	4,116.1007
Energy	0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183
Mobile	1.3732	1.3401	13.7137	0.0332	3.8650	0.0219	3.8868	1.0302	0.0203	1.0505		3,377.2291	3,377.2291	0.1954	0.1319	3,421.4239
Stationary	0.1847	0.8261	0.4710	8.9000e-004		0.0272	0.0272		0.0272	0.0272		94.4957	94.4957	0.0133		94.8269
Total	9.5054	6.1481	33.3703	0.0591	3.8650	0.4521	4.3171	1.0302	0.4506	1.4808	0.0000	8,328.4108	8,328.4108	0.3315	0.2204	8,402.3698

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	85.36	16.78	76.22	81.25	0.00	97.25	78.77	0.00	97.26	91.54	100.00	-2.78	17.52	94.66	21.68	18.72

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2024	5/31/2024	5	45	
2	Site Preparation	Site Preparation	6/3/2024	7/12/2024	5	30	
3	Grading	Grading	7/15/2024	8/16/2024	5	25	
4	Building Construction	Building Construction	8/19/2024	4/3/2026	5	425	

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Architectural Coating	Architectural Coating	4/7/2025	4/3/2026	5	260
6	Paving	Paving	4/6/2026	4/24/2026	5	15

Acres of Grading (Site Preparation Phase): 45**Acres of Grading (Grading Phase): 25****Acres of Paving: 0.15**

Residential Indoor: 603,450; Residential Outdoor: 201,150; Non-Residential Indoor: 35,529; Non-Residential Outdoor: 11,843; Striped Parking Area: 4,968 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	250.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	6,875.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	200.00	39.00	0.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	38.00	0.00	0.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Demolition - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2031	0.0000	1.2031	0.1822	0.0000	0.1822			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	1.2031	0.9602	2.1633	0.1822	0.8922	1.0744		3,747.4228	3,747.4228	1.0485		3,773.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0161	1.0791	0.3503	5.2700e-003	0.1695	7.7400e-003	0.1772	0.0464	7.4100e-003	0.0538		602.8022	602.8022	0.0631	0.0968	633.2188
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0243	0.4262	1.3700e-003	0.1677	8.1000e-004	0.1685	0.0445	7.5000e-004	0.0452		138.4627	138.4627	2.8500e-003	2.8900e-003	139.3950
Total	0.0558	1.1034	0.7765	6.6400e-003	0.3371	8.5500e-003	0.3457	0.0909	8.1600e-003	0.0990		741.2650	741.2650	0.0660	0.0997	772.6138

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Demolition - 2024****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5414	0.0000	0.5414	0.0820	0.0000	0.0820			0.0000			0.0000
Off-Road	1.2617	32.6638	24.6739	0.0388		0.9135	0.9135		0.9135	0.9135	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	1.2617	32.6638	24.6739	0.0388	0.5414	0.9135	1.4549	0.0820	0.9135	0.9955	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0161	1.0791	0.3503	5.2700e-003	0.1695	7.7400e-003	0.1772	0.0464	7.4100e-003	0.0538		602.8022	602.8022	0.0631	0.0968	633.2188
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0243	0.4262	1.3700e-003	0.1677	8.1000e-004	0.1685	0.0445	7.5000e-004	0.0452		138.4627	138.4627	2.8500e-003	2.8900e-003	139.3950
Total	0.0558	1.1034	0.7765	6.6400e-003	0.3371	8.5500e-003	0.3457	0.0909	8.1600e-003	0.0990		741.2650	741.2650	0.0660	0.0997	772.6138

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	2.6609	27.1760	18.3356	0.0381	19.6570	1.2294	20.8864	10.1025	1.1310	11.2335		3,688.010 0	3,688.010 0	1.1928		3,717.829 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0476	0.0291	0.5115	1.6400e-003	0.2012	9.7000e-004	0.2022	0.0534	9.0000e-004	0.0543		166.1553	166.1553	3.4200e-003	3.4700e-003	167.2740
Total	0.0476	0.0291	0.5115	1.6400e-003	0.2012	9.7000e-004	0.2022	0.0534	9.0000e-004	0.0543		166.1553	166.1553	3.4200e-003	3.4700e-003	167.2740

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2024****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	1.2097	33.7214	22.9600	0.0381	8.8457	0.9462	9.7918	4.5461	0.9462	5.4923	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0476	0.0291	0.5115	1.6400e-003	0.2012	9.7000e-004	0.2022	0.0534	9.0000e-004	0.0543		166.1553	166.1553	3.4200e-003	3.4700e-003	167.2740
Total	0.0476	0.0291	0.5115	1.6400e-003	0.2012	9.7000e-004	0.2022	0.0534	9.0000e-004	0.0543		166.1553	166.1553	3.4200e-003	3.4700e-003	167.2740

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3314	0.0000	7.3314	3.4624	0.0000	3.4624			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	7.3314	0.7244	8.0558	3.4624	0.6665	4.1289		2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7958	53.4171	17.3384	0.2610	8.3882	0.3832	8.7714	2.2967	0.3666	2.6632		29,838.71 09	29,838.71 09	3.1243	4.7903	31,344.33 19
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0243	0.4262	1.3700e-003	0.1677	8.1000e-004	0.1685	0.0445	7.5000e-004	0.0452		138.4627	138.4627	2.8500e-003	2.8900e-003	139.3950
Total	0.8355	53.4414	17.7646	0.2623	8.5559	0.3840	8.9399	2.3411	0.3673	2.7084		29,977.17 37	29,977.17 37	3.1272	4.7932	31,483.72 69

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 2024****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2991	0.0000	3.2991	1.5581	0.0000	1.5581			0.0000			0.0000
Off-Road	1.0093	26.2791	18.9906	0.0297		0.7725	0.7725		0.7725	0.7725	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.0093	26.2791	18.9906	0.0297	3.2991	0.7725	4.0716	1.5581	0.7725	2.3306	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7958	53.4171	17.3384	0.2610	8.3882	0.3832	8.7714	2.2967	0.3666	2.6632		29,838.71 09	29,838.71 09	3.1243	4.7903	31,344.33 19
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0243	0.4262	1.3700e-003	0.1677	8.1000e-004	0.1685	0.0445	7.5000e-004	0.0452		138.4627	138.4627	2.8500e-003	2.8900e-003	139.3950
Total	0.8355	53.4414	17.7646	0.2623	8.5559	0.3840	8.9399	2.3411	0.3673	2.7084		29,977.17 37	29,977.17 37	3.1272	4.7932	31,483.72 69

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0388	1.3628	0.5625	6.8900e-003	0.2494	7.3400e-003	0.2567	0.0718	7.0200e-003	0.0788		758.1068	758.1068	0.0463	0.1092	791.8169
Worker	0.5292	0.3236	5.6832	0.0183	2.2355	0.0108	2.2464	0.5929	9.9600e-003	0.6028		1,846.1698	1,846.1698	0.0380	0.0385	1,858.5998
Total	0.5680	1.6863	6.2457	0.0252	2.4849	0.0182	2.5031	0.6646	0.0170	0.6816		2,604.2767	2,604.2767	0.0843	0.1478	2,650.4167

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0388	1.3628	0.5625	6.8900e-003	0.2494	7.3400e-003	0.2567	0.0718	7.0200e-003	0.0788		758.1068	758.1068	0.0463	0.1092	791.8169
Worker	0.5292	0.3236	5.6832	0.0183	2.2355	0.0108	2.2464	0.5929	9.9600e-003	0.6028		1,846.1698	1,846.1698	0.0380	0.0385	1,858.5998
Total	0.5680	1.6863	6.2457	0.0252	2.4849	0.0182	2.5031	0.6646	0.0170	0.6816		2,604.2767	2,604.2767	0.0843	0.1478	2,650.4167

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0382	1.3561	0.5602	6.7500e-003	0.2494	7.3800e-003	0.2567	0.0718	7.0600e-003	0.0788		743.9143	743.9143	0.0469	0.1077	777.1649
Worker	0.4995	0.2931	5.3348	0.0176	2.2355	0.0103	2.2459	0.5929	9.5200e-003	0.6024		1,783.309 2	1,783.309 2	0.0345	0.0362	1,794.971 9
Total	0.5378	1.6491	5.8951	0.0244	2.4849	0.0177	2.5026	0.6646	0.0166	0.6812		2,527.223 5	2,527.223 5	0.0814	0.1439	2,572.136 8

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0382	1.3561	0.5602	6.7500e-003	0.2494	7.3800e-003	0.2567	0.0718	7.0600e-003	0.0788		743.9143	743.9143	0.0469	0.1077	777.1649
Worker	0.4995	0.2931	5.3348	0.0176	2.2355	0.0103	2.2459	0.5929	9.5200e-003	0.6024		1,783.309 2	1,783.309 2	0.0345	0.0362	1,794.971 9
Total	0.5378	1.6491	5.8951	0.0244	2.4849	0.0177	2.5026	0.6646	0.0166	0.6812		2,527.223 5	2,527.223 5	0.0814	0.1439	2,572.136 8

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0377	1.3463	0.5584	6.6100e-003	0.2494	7.3800e-003	0.2567	0.0718	7.0600e-003	0.0788		729.6590	729.6590	0.0474	0.1060	762.4315
Worker	0.4736	0.2681	5.0433	0.0171	2.2355	9.8400e-003	2.2454	0.5929	9.0500e-003	0.6019		1,728.341 9	1,728.341 9	0.0315	0.0344	1,739.372 2
Total	0.5112	1.6145	5.6017	0.0237	2.4849	0.0172	2.5021	0.6646	0.0161	0.6808		2,458.000 9	2,458.000 9	0.0789	0.1404	2,501.803 7

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0377	1.3463	0.5584	6.6100e-003	0.2494	7.3800e-003	0.2567	0.0718	7.0600e-003	0.0788		729.6590	729.6590	0.0474	0.1060	762.4315
Worker	0.4736	0.2681	5.0433	0.0171	2.2355	9.8400e-003	2.2454	0.5929	9.0500e-003	0.6019		1,728.341 9	1,728.341 9	0.0315	0.0344	1,739.372 2
Total	0.5112	1.6145	5.6017	0.0237	2.4849	0.0172	2.5021	0.6646	0.0161	0.6808		2,458.000 9	2,458.000 9	0.0789	0.1404	2,501.803 7

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.2757	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0949	0.0557	1.0136	3.3500e-003	0.4248	1.9700e-003	0.4267	0.1127	1.8100e-003	0.1145		338.8287	338.8287	6.5600e-003	6.8900e-003	341.0447
Total	0.0949	0.0557	1.0136	3.3500e-003	0.4248	1.9700e-003	0.4267	0.1127	1.8100e-003	0.1145		338.8287	338.8287	6.5600e-003	6.8900e-003	341.0447

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.2187	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0949	0.0557	1.0136	3.3500e-003	0.4248	1.9700e-003	0.4267	0.1127	1.8100e-003	0.1145		338.8287	338.8287	6.5600e-003	6.8900e-003	341.0447
Total	0.0949	0.0557	1.0136	3.3500e-003	0.4248	1.9700e-003	0.4267	0.1127	1.8100e-003	0.1145		338.8287	338.8287	6.5600e-003	6.8900e-003	341.0447

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.2757	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0900	0.0509	0.9582	3.2500e-003	0.4248	1.8700e-003	0.4266	0.1127	1.7200e-003	0.1144		328.3850	328.3850	5.9900e-003	6.5300e-003	330.4807
Total	0.0900	0.0509	0.9582	3.2500e-003	0.4248	1.8700e-003	0.4266	0.1127	1.7200e-003	0.1144		328.3850	328.3850	5.9900e-003	6.5300e-003	330.4807

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2026****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.2187	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0900	0.0509	0.9582	3.2500e-003	0.4248	1.8700e-003	0.4266	0.1127	1.7200e-003	0.1144		328.3850	328.3850	5.9900e-003	6.5300e-003	330.4807
Total	0.0900	0.0509	0.9582	3.2500e-003	0.4248	1.8700e-003	0.4266	0.1127	1.7200e-003	0.1144		328.3850	328.3850	5.9900e-003	6.5300e-003	330.4807

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Paving - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0474	0.0268	0.5043	1.7100e-003	0.2236	9.8000e-004	0.2245	0.0593	9.1000e-004	0.0602		172.8342	172.8342	3.1500e-003	3.4400e-003	173.9372
Total	0.0474	0.0268	0.5043	1.7100e-003	0.2236	9.8000e-004	0.2245	0.0593	9.1000e-004	0.0602		172.8342	172.8342	3.1500e-003	3.4400e-003	173.9372

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Paving - 2026****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7524	16.0849	13.5323	0.0189		0.5601	0.5601		0.5601	0.5601	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7524	16.0849	13.5323	0.0189		0.5601	0.5601		0.5601	0.5601	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0474	0.0268	0.5043	1.7100e-003	0.2236	9.8000e-004	0.2245	0.0593	9.1000e-004	0.0602		172.8342	172.8342	3.1500e-003	3.4400e-003	173.9372
Total	0.0474	0.0268	0.5043	1.7100e-003	0.2236	9.8000e-004	0.2245	0.0593	9.1000e-004	0.0602		172.8342	172.8342	3.1500e-003	3.4400e-003	173.9372

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3732	1.3401	13.7137	0.0332	3.8650	0.0219	3.8868	1.0302	0.0203	1.0505		3,377.229 1	3,377.229 1	0.1954	0.1319	3,421.423 9
Unmitigated	1.3732	1.3401	13.7137	0.0332	3.8650	0.0219	3.8868	1.0302	0.0203	1.0505		3,377.229 1	3,377.229 1	0.1954	0.1319	3,421.423 9

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	536.76	536.76	536.76	1,834,190	1,834,190
Enclosed Parking Structure	0.00	0.00	0.00		
Total	536.76	536.76	536.76	1,834,190	1,834,190

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Congregate Care (Assisted Living)	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Enclosed Parking Structure	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183
NaturalGas Unmitigated	0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	6506.49	0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	6.50649	0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.8772	3.3824	18.9304	0.0212		0.3546	0.3546		0.3546	0.3546	0.0000	4,091.216 5	4,091.216 5	0.1082	0.0744	4,116.100 7
Unmitigated	63.3188	4.6218	125.8988	0.2773		16.3682	16.3682		16.3682	16.3682	1,995.153 6	3,865.687 1	5,860.840 7	5.9804	0.1354	6,050.703 7

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5773					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.3987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	55.8137	4.4194	108.3215	0.2763		16.2707	16.2707		16.2707	16.2707	1,995.153 6	3,834.000 0	5,829.153 6	5.9499	0.1354	6,018.256 2
Landscaping	0.5291	0.2024	17.5773	9.3000e-004		0.0975	0.0975		0.0975	0.0975		31.6871	31.6871	0.0304		32.4475
Total	63.3188	4.6218	125.8988	0.2773		16.3682	16.3682		16.3682	16.3682	1,995.153 6	3,865.687 1	5,860.840 7	5.9804	0.1354	6,050.703 7

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5773					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.3987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3721	3.1800	1.3532	0.0203		0.2571	0.2571		0.2571	0.2571	0.0000	4,059.529 4	4,059.529 4	0.0778	0.0744	4,083.653 2
Landscaping	0.5291	0.2024	17.5773	9.3000e-004		0.0975	0.0975		0.0975	0.0975		31.6871	31.6871	0.0304		32.4475
Total	7.8772	3.3824	18.9304	0.0212		0.3546	0.3546		0.3546	0.3546	0.0000	4,091.216 5	4,091.216 5	0.1082	0.0744	4,116.100 7

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

Bolsa Chica Senior Living Community Project - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.14	50	804	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	0.1847	0.8261	0.4710	8.9000e-004		0.0272	0.0272		0.0272	0.0272		94.4957	94.4957	0.0133		94.8269
Total	0.1847	0.8261	0.4710	8.9000e-004		0.0272	0.0272		0.0272	0.0272		94.4957	94.4957	0.0133		94.8269

11.0 Vegetation

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Bolsa Chica Senior Living Community Project - Originally Proposed Project

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	207.00	Space	0.15	82,800.00	0
City Park	0.55	Acre	0.55	23,958.00	0
Congregate Care (Assisted Living)	213.00	Dwelling Unit	2.40	298,000.00	609

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2026
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total project site is 3.10 acres

Construction Phase - Construction is anticipated to begin Q2 2024 and end Q2 2026. Overlap of building construction and architectural coating.

Off-road Equipment - Default equipment

Trips and VMT - During peak construction, approximately 200 construction workers will be anticipated. Haul distance is 35 miles.

Demolition - Demolition of existing commercial building

Grading - Project would have 55,000 cubic yards of soil cut

Vehicle Trips - Based on a trip generation of 537 ADT

Construction Off-road Equipment Mitigation - Project would comply with SCAQMD Rule 403 and use Tier 2 construction equipment

Mobile Land Use Mitigation -

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Stationary Sources - Emergency Generators and Fire Pumps - project would include a 600 kW (804 HP) backup diesel generator

[illegible]

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	18.00	260.00
tblConstructionPhase	NumDays	230.00	425.00
tblConstructionPhase	NumDays	20.00	45.00
tblConstructionPhase	NumDays	8.00	25.00
tblConstructionPhase	NumDays	18.00	15.00
tblConstructionPhase	NumDays	5.00	30.00
tblGrading	MaterialExported	0.00	55,000.00
tblLandUse	LandUseSquareFeet	213,000.00	298,000.00
tblLandUse	LotAcreage	1.86	0.15
tblLandUse	LotAcreage	13.31	2.40
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	804.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	0.14
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	HaulingTripLength	20.00	35.00
tblTripsAndVMT	VendorTripNumber	40.00	39.00
tblTripsAndVMT	WorkerTripNumber	198.00	200.00
tblTripsAndVMT	WorkerTripNumber	40.00	38.00

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	2.93	2.52
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	3.15	2.52
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	2.60	2.52

2.0 Emissions Summary

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.7131	72.6556	32.6103	0.2921	19.8582	1.2303	21.0885	10.1558	1.1319	11.2877	0.0000	32,859.57 71	32,859.57 71	4.0542	4.7961	34,390.16 60
2025	10.3337	15.4148	24.3958	0.0567	2.9096	0.5988	3.5084	0.7773	0.5662	1.3435	0.0000	5,604.039 2	5,604.039 2	0.7052	0.1538	5,667.486 9
2026	10.3011	15.3721	24.0723	0.0559	2.9096	0.5982	3.5078	0.7773	0.5656	1.3429	0.0000	5,527.638 2	5,527.638 2	0.7021	0.1497	5,589.807 6
Maximum	10.3337	72.6556	32.6103	0.2921	19.8582	1.2303	21.0885	10.1558	1.1319	11.2877	0.0000	32,859.57 71	32,859.57 71	4.0542	4.7961	34,390.16 60

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.8150	81.9037	36.8415	0.2921	11.8550	1.1570	13.0120	4.5995	1.1403	5.5465	0.0000	32,859.57 71	32,859.57 71	4.0542	4.7961	34,390.16 60
2025	9.9902	27.7064	26.2082	0.0567	2.9096	1.0184	3.9280	0.7773	1.0171	1.7943	0.0000	5,604.039 2	5,604.039 2	0.7052	0.1538	5,667.486 9
2026	9.9576	27.6638	25.8847	0.0559	2.9096	1.0178	3.9274	0.7773	1.0165	1.7938	0.0000	5,527.638 2	5,527.638 2	0.7021	0.1497	5,589.807 6
Maximum	9.9902	81.9037	36.8415	0.2921	11.8550	1.1570	13.0120	4.5995	1.1403	5.5465	0.0000	32,859.57 71	32,859.57 71	4.0542	4.7961	34,390.16 60

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	6.79	-32.71	-9.69	0.00	31.17	-31.55	25.75	47.45	-40.21	34.63	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	63.3188	4.6218	125.8988	0.2773		16.3682	16.3682		16.3682	16.3682	1,995.1536	3,865.6871	5,860.8407	5.9804	0.1354	6,050.7037
Energy	0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183
Mobile	1.3628	1.4384	13.5839	0.0319	3.8650	0.0219	3.8868	1.0302	0.0203	1.0505		3,250.0004	3,250.0004	0.2013	0.1372	3,295.9194
Stationary	0.1847	0.8261	0.4710	8.9000e-004		0.0272	0.0272		0.0272	0.0272		94.4957	94.4957	0.0133		94.8269
Total	64.9364	7.4859	140.2088	0.3139	3.8650	16.4657	20.3307	1.0302	16.4642	17.4944	1,995.1536	7,975.6526	9,970.8062	6.2095	0.2867	10,211.4684

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.8772	3.3824	18.9304	0.0212		0.3546	0.3546		0.3546	0.3546	0.0000	4,091.2165	4,091.2165	0.1082	0.0744	4,116.1007
Energy	0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183
Mobile	1.3628	1.4384	13.5839	0.0319	3.8650	0.0219	3.8868	1.0302	0.0203	1.0505		3,250.0004	3,250.0004	0.2013	0.1372	3,295.9194
Stationary	0.1847	0.8261	0.4710	8.9000e-004		0.0272	0.0272		0.0272	0.0272		94.4957	94.4957	0.0133		94.8269
Total	9.4949	6.2465	33.2405	0.0578	3.8650	0.4521	4.3171	1.0302	0.4506	1.4808	0.0000	8,201.1820	8,201.1820	0.3374	0.2257	8,276.8653

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	85.38	16.56	76.29	81.57	0.00	97.25	78.77	0.00	97.26	91.54	100.00	-2.83	17.75	94.57	21.28	18.95

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2024	5/31/2024	5	45	
2	Site Preparation	Site Preparation	6/3/2024	7/12/2024	5	30	
3	Grading	Grading	7/15/2024	8/16/2024	5	25	
4	Building Construction	Building Construction	8/19/2024	4/3/2026	5	425	

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5	Architectural Coating	Architectural Coating	4/7/2025	4/3/2026	5	260
6	Paving	Paving	4/6/2026	4/24/2026	5	15

Acres of Grading (Site Preparation Phase): 45**Acres of Grading (Grading Phase): 25****Acres of Paving: 0.15**

Residential Indoor: 603,450; Residential Outdoor: 201,150; Non-Residential Indoor: 35,529; Non-Residential Outdoor: 11,843; Striped Parking Area: 4,968 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	250.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	6,875.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	200.00	39.00	0.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	38.00	0.00	0.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	35.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Demolition - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2031	0.0000	1.2031	0.1822	0.0000	0.1822			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	2.2437	20.8781	19.7073	0.0388	1.2031	0.9602	2.1633	0.1822	0.8922	1.0744		3,747.4228	3,747.4228	1.0485		3,773.6345

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0154	1.1232	0.3526	5.2800e-003	0.1695	7.7500e-003	0.1772	0.0464	7.4200e-003	0.0538		603.1246	603.1246	0.0631	0.0968	633.5564
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0435	0.0266	0.3975	1.3000e-003	0.1677	8.1000e-004	0.1685	0.0445	7.5000e-004	0.0452		131.8537	131.8537	2.9200e-003	3.0700e-003	132.8425
Total	0.0589	1.1498	0.7501	6.5800e-003	0.3371	8.5600e-003	0.3457	0.0909	8.1700e-003	0.0990		734.9783	734.9783	0.0660	0.0999	766.3989

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5414	0.0000	0.5414	0.0820	0.0000	0.0820			0.0000			0.0000
Off-Road	1.2617	32.6638	24.6739	0.0388		0.9135	0.9135		0.9135	0.9135	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	1.2617	32.6638	24.6739	0.0388	0.5414	0.9135	1.4549	0.0820	0.9135	0.9955	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0154	1.1232	0.3526	5.2800e-003	0.1695	7.7500e-003	0.1772	0.0464	7.4200e-003	0.0538		603.1246	603.1246	0.0631	0.0968	633.5564
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0435	0.0266	0.3975	1.3000e-003	0.1677	8.1000e-004	0.1685	0.0445	7.5000e-004	0.0452		131.8537	131.8537	2.9200e-003	3.0700e-003	132.8425
Total	0.0589	1.1498	0.7501	6.5800e-003	0.3371	8.5600e-003	0.3457	0.0909	8.1700e-003	0.0990		734.9783	734.9783	0.0660	0.0999	766.3989

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	2.6609	27.1760	18.3356	0.0381	19.6570	1.2294	20.8864	10.1025	1.1310	11.2335		3,688.010 0	3,688.010 0	1.1928		3,717.829 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0522	0.0320	0.4770	1.5700e-003	0.2012	9.7000e-004	0.2022	0.0534	9.0000e-004	0.0543		158.2244	158.2244	3.5100e-003	3.6900e-003	159.4110
Total	0.0522	0.0320	0.4770	1.5700e-003	0.2012	9.7000e-004	0.2022	0.0534	9.0000e-004	0.0543		158.2244	158.2244	3.5100e-003	3.6900e-003	159.4110

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Site Preparation - 2024****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	1.2097	33.7214	22.9600	0.0381		0.9462	0.9462		0.9462	0.9462	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4
Total	1.2097	33.7214	22.9600	0.0381	8.8457	0.9462	9.7918	4.5461	0.9462	5.4923	0.0000	3,688.010 0	3,688.010 0	1.1928		3,717.829 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0522	0.0320	0.4770	1.5700e-003	0.2012	9.7000e-004	0.2022	0.0534	9.0000e-004	0.0543		158.2244	158.2244	3.5100e-003	3.6900e-003	159.4110
Total	0.0522	0.0320	0.4770	1.5700e-003	0.2012	9.7000e-004	0.2022	0.0534	9.0000e-004	0.0543		158.2244	158.2244	3.5100e-003	3.6900e-003	159.4110

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3314	0.0000	7.3314	3.4624	0.0000	3.4624			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.6617	17.0310	14.7594	0.0297	7.3314	0.7244	8.0558	3.4624	0.6665	4.1289		2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7621	55.5980	17.4534	0.2611	8.3882	0.3837	8.7719	2.2967	0.3671	2.6638		29,854.66 94	29,854.66 94	3.1221	4.7930	31,361.03 94
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0435	0.0266	0.3975	1.3000e-003	0.1677	8.1000e-004	0.1685	0.0445	7.5000e-004	0.0452		131.8537	131.8537	2.9200e-003	3.0700e-003	132.8425
Total	0.8057	55.6246	17.8509	0.2624	8.5559	0.3845	8.9404	2.3411	0.3679	2.7090		29,986.52 30	29,986.52 30	3.1250	4.7961	31,493.88 19

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Grading - 2024****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2991	0.0000	3.2991	1.5581	0.0000	1.5581			0.0000			0.0000
Off-Road	1.0093	26.2791	18.9906	0.0297		0.7725	0.7725		0.7725	0.7725	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2
Total	1.0093	26.2791	18.9906	0.0297	3.2991	0.7725	4.0716	1.5581	0.7725	2.3306	0.0000	2,873.054 1	2,873.054 1	0.9292		2,896.284 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.7621	55.5980	17.4534	0.2611	8.3882	0.3837	8.7719	2.2967	0.3671	2.6638		29,854.66 94	29,854.66 94	3.1221	4.7930	31,361.03 94
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0435	0.0266	0.3975	1.3000e-003	0.1677	8.1000e-004	0.1685	0.0445	7.5000e-004	0.0452		131.8537	131.8537	2.9200e-003	3.0700e-003	132.8425
Total	0.8057	55.6246	17.8509	0.2624	8.5559	0.3845	8.9404	2.3411	0.3679	2.7090		29,986.52 30	29,986.52 30	3.1250	4.7961	31,493.88 19

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 2024****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0374	1.4237	0.5802	6.9000e-003	0.2494	7.3800e-003	0.2568	0.0718	7.0600e-003	0.0788		759.2494	759.2494	0.0462	0.1095	793.0297
Worker	0.5803	0.3552	5.3001	0.0174	2.2355	0.0108	2.2464	0.5929	9.9600e-003	0.6028		1,758.0487	1,758.0487	0.0390	0.0410	1,771.2334
Total	0.6178	1.7789	5.8803	0.0243	2.4849	0.0182	2.5031	0.6646	0.0170	0.6817		2,517.2980	2,517.2980	0.0851	0.1505	2,564.2631

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0374	1.4237	0.5802	6.9000e-003	0.2494	7.3800e-003	0.2568	0.0718	7.0600e-003	0.0788		759.2494	759.2494	0.0462	0.1095	793.0297
Worker	0.5803	0.3552	5.3001	0.0174	2.2355	0.0108	2.2464	0.5929	9.9600e-003	0.6028		1,758.0487	1,758.0487	0.0390	0.0410	1,771.2334
Total	0.6178	1.7789	5.8803	0.0243	2.4849	0.0182	2.5031	0.6646	0.0170	0.6817		2,517.2980	2,517.2980	0.0851	0.1505	2,564.2631

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0369	1.4168	0.5775	6.7600e-003	0.2494	7.4200e-003	0.2568	0.0718	7.1000e-003	0.0789		745.0596	745.0596	0.0467	0.1079	778.3790
Worker	0.5494	0.3217	4.9786	0.0168	2.2355	0.0103	2.2459	0.5929	9.5200e-003	0.6024		1,698.367 4	1,698.367 4	0.0355	0.0385	1,710.737 8
Total	0.5862	1.7385	5.5561	0.0236	2.4849	0.0178	2.5027	0.6646	0.0166	0.6813		2,443.427 0	2,443.427 0	0.0822	0.1464	2,489.116 8

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0369	1.4168	0.5775	6.7600e-003	0.2494	7.4200e-003	0.2568	0.0718	7.1000e-003	0.0789		745.0596	745.0596	0.0467	0.1079	778.3790
Worker	0.5494	0.3217	4.9786	0.0168	2.2355	0.0103	2.2459	0.5929	9.5200e-003	0.6024		1,698.367 4	1,698.367 4	0.0355	0.0385	1,710.737 8
Total	0.5862	1.7385	5.5561	0.0236	2.4849	0.0178	2.5027	0.6646	0.0166	0.6813		2,443.427 0	2,443.427 0	0.0822	0.1464	2,489.116 8

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Building Construction - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0363	1.4068	0.5754	6.6200e-003	0.2494	7.4100e-003	0.2568	0.0718	7.0900e-003	0.0789		730.8038	730.8038	0.0473	0.1062	763.6437
Worker	0.5224	0.2942	4.7085	0.0163	2.2355	9.8400e-003	2.2454	0.5929	9.0500e-003	0.6019		1,646.144 5	1,646.144 5	0.0324	0.0365	1,657.843 7
Total	0.5587	1.7010	5.2839	0.0229	2.4849	0.0173	2.5021	0.6646	0.0161	0.6808		2,376.948 3	2,376.948 3	0.0797	0.1428	2,421.487 4

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.0809	23.5544	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0363	1.4068	0.5754	6.6200e-003	0.2494	7.4100e-003	0.2568	0.0718	7.0900e-003	0.0789		730.8038	730.8038	0.0473	0.1062	763.6437
Worker	0.5224	0.2942	4.7085	0.0163	2.2355	9.8400e-003	2.2454	0.5929	9.0500e-003	0.6019		1,646.144 5	1,646.144 5	0.0324	0.0365	1,657.843 7
Total	0.5587	1.7010	5.2839	0.0229	2.4849	0.0173	2.5021	0.6646	0.0161	0.6808		2,376.948 3	2,376.948 3	0.0797	0.1428	2,421.487 4

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.2757	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1044	0.0611	0.9459	3.1900e-003	0.4248	1.9700e-003	0.4267	0.1127	1.8100e-003	0.1145		322.6898	322.6898	6.7400e-003	7.3200e-003	325.0402
Total	0.1044	0.0611	0.9459	3.1900e-003	0.4248	1.9700e-003	0.4267	0.1127	1.8100e-003	0.1145		322.6898	322.6898	6.7400e-003	7.3200e-003	325.0402

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.2187	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1044	0.0611	0.9459	3.1900e-003	0.4248	1.9700e-003	0.4267	0.1127	1.8100e-003	0.1145		322.6898	322.6898	6.7400e-003	7.3200e-003	325.0402
Total	0.1044	0.0611	0.9459	3.1900e-003	0.4248	1.9700e-003	0.4267	0.1127	1.8100e-003	0.1145		322.6898	322.6898	6.7400e-003	7.3200e-003	325.0402

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.2757	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0993	0.0559	0.8946	3.0900e-003	0.4248	1.8700e-003	0.4266	0.1127	1.7200e-003	0.1144		312.7675	312.7675	6.1600e-003	6.9400e-003	314.9903
Total	0.0993	0.0559	0.8946	3.0900e-003	0.4248	1.8700e-003	0.4266	0.1127	1.7200e-003	0.1144		312.7675	312.7675	6.1600e-003	6.9400e-003	314.9903

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2026****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.1048					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1139	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.2187	2.3524	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0993	0.0559	0.8946	3.0900e-003	0.4248	1.8700e-003	0.4266	0.1127	1.7200e-003	0.1144		312.7675	312.7675	6.1600e-003	6.9400e-003	314.9903
Total	0.0993	0.0559	0.8946	3.0900e-003	0.4248	1.8700e-003	0.4266	0.1127	1.7200e-003	0.1144		312.7675	312.7675	6.1600e-003	6.9400e-003	314.9903

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Paving - 2026****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0522	0.0294	0.4709	1.6300e-003	0.2236	9.8000e-004	0.2245	0.0593	9.1000e-004	0.0602		164.6145	164.6145	3.2400e-003	3.6500e-003	165.7844
Total	0.0522	0.0294	0.4709	1.6300e-003	0.2236	9.8000e-004	0.2245	0.0593	9.1000e-004	0.0602		164.6145	164.6145	3.2400e-003	3.6500e-003	165.7844

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.7 Paving - 2026****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7524	16.0849	13.5323	0.0189		0.5601	0.5601		0.5601	0.5601	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7524	16.0849	13.5323	0.0189		0.5601	0.5601		0.5601	0.5601	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0522	0.0294	0.4709	1.6300e-003	0.2236	9.8000e-004	0.2245	0.0593	9.1000e-004	0.0602		164.6145	164.6145	3.2400e-003	3.6500e-003	165.7844
Total	0.0522	0.0294	0.4709	1.6300e-003	0.2236	9.8000e-004	0.2245	0.0593	9.1000e-004	0.0602		164.6145	164.6145	3.2400e-003	3.6500e-003	165.7844

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.3628	1.4384	13.5839	0.0319	3.8650	0.0219	3.8868	1.0302	0.0203	1.0505		3,250.000 4	3,250.000 4	0.2013	0.1372	3,295.919 4
Unmitigated	1.3628	1.4384	13.5839	0.0319	3.8650	0.0219	3.8868	1.0302	0.0203	1.0505		3,250.000 4	3,250.000 4	0.2013	0.1372	3,295.919 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	536.76	536.76	536.76	1,834,190	1,834,190
Enclosed Parking Structure	0.00	0.00	0.00		
Total	536.76	536.76	536.76	1,834,190	1,834,190

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Congregate Care (Assisted Living)	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732
Enclosed Parking Structure	0.548528	0.060762	0.184345	0.125235	0.024171	0.006748	0.014885	0.004939	0.000666	0.000374	0.024916	0.000699	0.003732

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183
NaturalGas Unmitigated	0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	6506.49	0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	6.50649	0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0702	0.5996	0.2552	3.8300e-003		0.0485	0.0485		0.0485	0.0485		765.4695	765.4695	0.0147	0.0140	770.0183

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.8772	3.3824	18.9304	0.0212		0.3546	0.3546		0.3546	0.3546	0.0000	4,091.216 5	4,091.216 5	0.1082	0.0744	4,116.100 7
Unmitigated	63.3188	4.6218	125.8988	0.2773		16.3682	16.3682		16.3682	16.3682	1,995.153 6	3,865.687 1	5,860.840 7	5.9804	0.1354	6,050.703 7

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5773					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.3987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	55.8137	4.4194	108.3215	0.2763		16.2707	16.2707		16.2707	16.2707	1,995.153 6	3,834.000 0	5,829.153 6	5.9499	0.1354	6,018.256 2
Landscaping	0.5291	0.2024	17.5773	9.3000e-004		0.0975	0.0975		0.0975	0.0975		31.6871	31.6871	0.0304		32.4475
Total	63.3188	4.6218	125.8988	0.2773		16.3682	16.3682		16.3682	16.3682	1,995.153 6	3,865.687 1	5,860.840 7	5.9804	0.1354	6,050.703 7

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5773					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.3987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3721	3.1800	1.3532	0.0203		0.2571	0.2571		0.2571	0.2571	0.0000	4,059.529 4	4,059.529 4	0.0778	0.0744	4,083.653 2
Landscaping	0.5291	0.2024	17.5773	9.3000e-004		0.0975	0.0975		0.0975	0.0975		31.6871	31.6871	0.0304		32.4475
Total	7.8772	3.3824	18.9304	0.0212		0.3546	0.3546		0.3546	0.3546	0.0000	4,091.216 5	4,091.216 5	0.1082	0.0744	4,116.100 7

7.0 Water Detail**7.1 Mitigation Measures Water**

Use Water Efficient Irrigation System

8.0 Waste Detail**8.1 Mitigation Measures Waste****9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

Bolsa Chica Senior Living Community Project - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0.14	50	804	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	0.1847	0.8261	0.4710	8.9000e-004		0.0272	0.0272		0.0272	0.0272		94.4957	94.4957	0.0133		94.8269
Total	0.1847	0.8261	0.4710	8.9000e-004		0.0272	0.0272		0.0272	0.0272		94.4957	94.4957	0.0133		94.8269

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	10.45	1000sqft	0.24	10,447.00	0
General Office Building	34.89	1000sqft	0.80	34,893.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Existing office and strip retail plaza totals 45,340 square feet
- Construction Phase - Operational run only
- Off-road Equipment - Operational run only
- Trips and VMT -
- Demolition - No demolition
- Grading -
- Vehicle Trips - Based on a trip generation of 947 ADT
- Energy Use - Using historical data
- Construction Off-road Equipment Mitigation - operational run only
- Mobile Land Use Mitigation -

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Area Mitigation -

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	PhaseEndDate	8/19/2022	8/17/2022
tblVehicleTrips	ST_TR	42.04	54.45
tblVehicleTrips	ST_TR	2.21	10.84
tblVehicleTrips	SU_TR	20.43	54.45
tblVehicleTrips	SU_TR	0.70	10.84
tblVehicleTrips	WD_TR	44.32	54.45
tblVehicleTrips	WD_TR	9.74	10.84

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Highest

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1849	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1300e-003	1.1300e-003	0.0000	0.0000	1.2000e-003
Energy	2.1600e-003	0.0196	0.0165	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	147.6041	147.6041	0.0111	1.6800e-003	148.3823
Mobile	0.3841	0.3962	3.6056	7.9000e-003	0.8667	5.5700e-003	0.8723	0.2313	5.1800e-003	0.2365	0.0000	742.1037	742.1037	0.0491	0.0329	753.1211
Waste						0.0000	0.0000		0.0000	0.0000	8.8139	0.0000	8.8139	0.5209	0.0000	21.8360
Water						0.0000	0.0000		0.0000	0.0000	2.2129	24.5305	26.7434	0.2294	5.6200e-003	34.1514
Total	0.5712	0.4158	3.6226	8.0200e-003	0.8667	7.0600e-003	0.8738	0.2313	6.6700e-003	0.2380	11.0268	914.2394	925.2662	0.8104	0.0402	957.4920

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1849	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1300e-003	1.1300e-003	0.0000	0.0000	1.2000e-003
Energy	2.1600e-003	0.0196	0.0165	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	147.6041	147.6041	0.0111	1.6800e-003	148.3823
Mobile	0.3841	0.3962	3.6056	7.9000e-003	0.8667	5.5700e-003	0.8723	0.2313	5.1800e-003	0.2365	0.0000	742.1037	742.1037	0.0491	0.0329	753.1211
Waste						0.0000	0.0000		0.0000	0.0000	8.8139	0.0000	8.8139	0.5209	0.0000	21.8360
Water						0.0000	0.0000		0.0000	0.0000	2.2129	24.5305	26.7434	0.2294	5.6200e-003	34.1514
Total	0.5712	0.4158	3.6226	8.0200e-003	0.8667	7.0600e-003	0.8738	0.2313	6.6700e-003	0.2380	11.0268	914.2394	925.2662	0.8104	0.0402	957.4920

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/18/2022	8/17/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated Construction On-Site

[illegible]

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction On-Site

[illegible]

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3841	0.3962	3.6056	7.9000e-003	0.8667	5.5700e-003	0.8723	0.2313	5.1800e-003	0.2365	0.0000	742.1037	742.1037	0.0491	0.0329	753.1211
Unmitigated	0.3841	0.3962	3.6056	7.9000e-003	0.8667	5.5700e-003	0.8723	0.2313	5.1800e-003	0.2365	0.0000	742.1037	742.1037	0.0491	0.0329	753.1211

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	568.84	568.84	568.84	1,082,271	1,082,271
General Office Building	378.24	378.24	378.24	1,218,486	1,218,486
Total	947.08	947.08	947.08	2,300,756	2,300,756

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.546200	0.059546	0.185910	0.127866	0.024295	0.006605	0.014499	0.004906	0.000657	0.000381	0.024552	0.000713	0.003869
General Office Building	0.546200	0.059546	0.185910	0.127866	0.024295	0.006605	0.014499	0.004906	0.000657	0.000381	0.024552	0.000713	0.003869

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	126.2621	126.2621	0.0107	1.2900e-003	126.9134
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	126.2621	126.2621	0.0107	1.2900e-003	126.9134
NaturalGas Mitigated	2.1600e-003	0.0196	0.0165	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	21.3420	21.3420	4.1000e-004	3.9000e-004	21.4689
NaturalGas Unmitigated	2.1600e-003	0.0196	0.0165	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	21.3420	21.3420	4.1000e-004	3.9000e-004	21.4689

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	377891	2.0400e-003	0.0185	0.0156	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	20.1657	20.1657	3.9000e-004	3.7000e-004	20.2856
Strip Mall	22043.2	1.2000e-004	1.0800e-003	9.1000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1763	1.1763	2.0000e-005	2.0000e-005	1.1833
Total		2.1600e-003	0.0196	0.0165	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	21.3420	21.3420	4.1000e-004	3.9000e-004	21.4689

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	377891	2.0400e-003	0.0185	0.0156	1.1000e-004		1.4100e-003	1.4100e-003		1.4100e-003	1.4100e-003	0.0000	20.1657	20.1657	3.9000e-004	3.7000e-004	20.2856
Strip Mall	22043.2	1.2000e-004	1.0800e-003	9.1000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1763	1.1763	2.0000e-005	2.0000e-005	1.1833
Total		2.1600e-003	0.0196	0.0165	1.2000e-004		1.4900e-003	1.4900e-003		1.4900e-003	1.4900e-003	0.0000	21.3420	21.3420	4.1000e-004	3.9000e-004	21.4689

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	571547	101.3614	8.5600e-003	1.0400e-003	101.8843
Strip Mall	140408	24.9007	2.1000e-003	2.5000e-004	25.0291
Total		126.2621	0.0107	1.2900e-003	126.9134

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	571547	101.3614	8.5600e-003	1.0400e-003	101.8843
Strip Mall	140408	24.9007	2.1000e-003	2.5000e-004	25.0291
Total		126.2621	0.0107	1.2900e-003	126.9134

6.0 Area Detail

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1849	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1300e-003	1.1300e-003	0.0000	0.0000	1.2000e-003
Unmitigated	0.1849	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1300e-003	1.1300e-003	0.0000	0.0000	1.2000e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1638					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1300e-003	1.1300e-003	0.0000	0.0000	1.2000e-003
Total	0.1849	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1300e-003	1.1300e-003	0.0000	0.0000	1.2000e-003

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0210					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1638					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1300e-003	1.1300e-003	0.0000	0.0000	1.2000e-003
Total	0.1849	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1300e-003	1.1300e-003	0.0000	0.0000	1.2000e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.7434	0.2294	5.6200e-003	34.1514
Unmitigated	26.7434	0.2294	5.6200e-003	34.1514

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	6.20113 / 3.80069	23.7756	0.2039	4.9900e-003	30.3615
Strip Mall	0.774058 / 0.474423	2.9678	0.0255	6.2000e-004	3.7899
Total		26.7434	0.2294	5.6100e-003	34.1514

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	6.20113 / 3.80069	23.7756	0.2039	4.9900e-003	30.3615
Strip Mall	0.774058 / 0.474423	2.9678	0.0255	6.2000e-004	3.7899
Total		26.7434	0.2294	5.6100e-003	34.1514

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.8139	0.5209	0.0000	21.8360
Unmitigated	8.8139	0.5209	0.0000	21.8360

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.2 Waste by Land Use****Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	32.45	6.5871	0.3893	0.0000	16.3192
Strip Mall	10.97	2.2268	0.1316	0.0000	5.5168
Total		8.8139	0.5209	0.0000	21.8360

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	32.45	6.5871	0.3893	0.0000	16.3192
Strip Mall	10.97	2.2268	0.1316	0.0000	5.5168
Total		8.8139	0.5209	0.0000	21.8360

9.0 Operational Offroad

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Bolsa Chica Senior Living Community Project - Existing Uses

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	10.45	1000sqft	0.24	10,447.00	0
General Office Building	34.89	1000sqft	0.80	34,893.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Existing office and strip retail plaza totals 45,340 square feet

Construction Phase - Operational run only

Off-road Equipment - Operational run only

Trips and VMT -

Demolition - No demolition

Grading -

Vehicle Trips - Based on a trip generation of 947 ADT

Energy Use - Using historical data

Construction Off-road Equipment Mitigation - operational run only

Mobile Land Use Mitigation -

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Area Mitigation -

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	PhaseEndDate	8/19/2022	8/17/2022
tblVehicleTrips	ST_TR	42.04	54.45
tblVehicleTrips	ST_TR	2.21	10.84
tblVehicleTrips	SU_TR	20.43	54.45
tblVehicleTrips	SU_TR	0.70	10.84
tblVehicleTrips	WD_TR	44.32	54.45
tblVehicleTrips	WD_TR	9.74	10.84

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated Construction

[illegible]

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.6230	0.0000	0.0000	0.5732	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.6230	0.0000	0.0000	0.5732	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

[illegible]

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0133	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106
Energy	0.0118	0.1074	0.0902	6.4000e-004		8.1600e-003	8.1600e-003		8.1600e-003	8.1600e-003		128.9071	128.9071	2.4700e-003	2.3600e-003	129.6732
Mobile	2.1862	2.0024	19.7363	0.0447	4.8479	0.0306	4.8786	1.2922	0.0285	1.3207		4,627.6796	4,627.6796	0.2878	0.1901	4,691.5241
Total	3.2114	2.1099	19.8311	0.0453	4.8479	0.0388	4.8868	1.2922	0.0367	1.3288		4,756.5966	4,756.5966	0.2903	0.1925	4,821.2078

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0133	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106
Energy	0.0118	0.1074	0.0902	6.4000e-004		8.1600e-003	8.1600e-003		8.1600e-003	8.1600e-003		128.9071	128.9071	2.4700e-003	2.3600e-003	129.6732
Mobile	2.1862	2.0024	19.7363	0.0447	4.8479	0.0306	4.8786	1.2922	0.0285	1.3207		4,627.6796	4,627.6796	0.2878	0.1901	4,691.5241
Total	3.2114	2.1099	19.8311	0.0453	4.8479	0.0388	4.8868	1.2922	0.0367	1.3288		4,756.5966	4,756.5966	0.2903	0.1925	4,821.2078

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/18/2022	8/17/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated Construction On-Site

[illegible]

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction On-Site

[illegible]

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1862	2.0024	19.7363	0.0447	4.8479	0.0306	4.8786	1.2922	0.0285	1.3207		4,627.679 6	4,627.679 6	0.2878	0.1901	4,691.524 1
Unmitigated	2.1862	2.0024	19.7363	0.0447	4.8479	0.0306	4.8786	1.2922	0.0285	1.3207		4,627.679 6	4,627.679 6	0.2878	0.1901	4,691.524 1

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	568.84	568.84	568.84	1,082,271	1,082,271
General Office Building	378.24	378.24	378.24	1,218,486	1,218,486
Total	947.08	947.08	947.08	2,300,756	2,300,756

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.546200	0.059546	0.185910	0.127866	0.024295	0.006605	0.014499	0.004906	0.000657	0.000381	0.024552	0.000713	0.003869
General Office Building	0.546200	0.059546	0.185910	0.127866	0.024295	0.006605	0.014499	0.004906	0.000657	0.000381	0.024552	0.000713	0.003869

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0118	0.1074	0.0902	6.4000e-004		8.1600e-003	8.1600e-003		8.1600e-003	8.1600e-003		128.9071	128.9071	2.4700e-003	2.3600e-003	129.6732
NaturalGas Unmitigated	0.0118	0.1074	0.0902	6.4000e-004		8.1600e-003	8.1600e-003		8.1600e-003	8.1600e-003		128.9071	128.9071	2.4700e-003	2.3600e-003	129.6732

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1035.32	0.0112	0.1015	0.0853	6.1000e-004		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003		121.8022	121.8022	2.3300e-003	2.2300e-003	122.5260
Strip Mall	60.3922	6.5000e-004	5.9200e-003	4.9700e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.1050	7.1050	1.4000e-004	1.3000e-004	7.1472
Total		0.0118	0.1074	0.0902	6.5000e-004		8.1600e-003	8.1600e-003		8.1600e-003	8.1600e-003		128.9071	128.9071	2.4700e-003	2.3600e-003	129.6732

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.03532	0.0112	0.1015	0.0853	6.1000e-004		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003		121.8022	121.8022	2.3300e-003	2.2300e-003	122.5260
Strip Mall	0.0603922	6.5000e-004	5.9200e-003	4.9700e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.1050	7.1050	1.4000e-004	1.3000e-004	7.1472
Total		0.0118	0.1074	0.0902	6.5000e-004		8.1600e-003	8.1600e-003		8.1600e-003	8.1600e-003		128.9071	128.9071	2.4700e-003	2.3600e-003	129.6732

6.0 Area Detail

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0133	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106
Unmitigated	1.0133	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1152					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8977					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106
Total	1.0133	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1152					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8977					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106
Total	1.0133	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106

7.0 Water Detail

7.1 Mitigation Measures Water

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Bolsa Chica Senior Living Community Project - Existing Uses
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Strip Mall	10.45	1000sqft	0.24	10,447.00	0
General Office Building	34.89	1000sqft	0.80	34,893.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Existing office and strip retail plaza totals 45,340 square feet
- Construction Phase - Operational run only
- Off-road Equipment - Operational run only
- Trips and VMT -
- Demolition - No demolition
- Grading -
- Vehicle Trips - Based on a trip generation of 947 ADT
- Energy Use - Using historical data
- Construction Off-road Equipment Mitigation - operational run only
- Mobile Land Use Mitigation -

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Area Mitigation -

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	PhaseEndDate	8/19/2022	8/17/2022
tblVehicleTrips	ST_TR	42.04	54.45
tblVehicleTrips	ST_TR	2.21	10.84
tblVehicleTrips	SU_TR	20.43	54.45
tblVehicleTrips	SU_TR	0.70	10.84
tblVehicleTrips	WD_TR	44.32	54.45
tblVehicleTrips	WD_TR	9.74	10.84

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated Construction

Mitigated Construction

[illegible]

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0133	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106
Energy	0.0118	0.1074	0.0902	6.4000e-004		8.1600e-003	8.1600e-003		8.1600e-003	8.1600e-003		128.9071	128.9071	2.4700e-003	2.3600e-003	129.6732
Mobile	2.1652	2.1508	19.7267	0.0430	4.8479	0.0307	4.8786	1.2922	0.0285	1.3207		4,452.753 9	4,452.753 9	0.2993	0.1983	4,519.315 7
Total	3.1903	2.2583	19.8216	0.0436	4.8479	0.0388	4.8868	1.2922	0.0367	1.3289		4,581.670 9	4,581.670 9	0.3018	0.2006	4,648.999 5

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0133	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106
Energy	0.0118	0.1074	0.0902	6.4000e-004		8.1600e-003	8.1600e-003		8.1600e-003	8.1600e-003		128.9071	128.9071	2.4700e-003	2.3600e-003	129.6732
Mobile	2.1652	2.1508	19.7267	0.0430	4.8479	0.0307	4.8786	1.2922	0.0285	1.3207		4,452.753 9	4,452.753 9	0.2993	0.1983	4,519.315 7
Total	3.1903	2.2583	19.8216	0.0436	4.8479	0.0388	4.8868	1.2922	0.0367	1.3289		4,581.670 9	4,581.670 9	0.3018	0.2006	4,648.999 5

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/18/2022	8/17/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Construction On-Site

[illegible]

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1652	2.1508	19.7267	0.0430	4.8479	0.0307	4.8786	1.2922	0.0285	1.3207		4,452.753 9	4,452.753 9	0.2993	0.1983	4,519.315 7
Unmitigated	2.1652	2.1508	19.7267	0.0430	4.8479	0.0307	4.8786	1.2922	0.0285	1.3207		4,452.753 9	4,452.753 9	0.2993	0.1983	4,519.315 7

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	568.84	568.84	568.84	1,082,271	1,082,271
General Office Building	378.24	378.24	378.24	1,218,486	1,218,486
Total	947.08	947.08	947.08	2,300,756	2,300,756

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.546200	0.059546	0.185910	0.127866	0.024295	0.006605	0.014499	0.004906	0.000657	0.000381	0.024552	0.000713	0.003869
General Office Building	0.546200	0.059546	0.185910	0.127866	0.024295	0.006605	0.014499	0.004906	0.000657	0.000381	0.024552	0.000713	0.003869

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0118	0.1074	0.0902	6.4000e-004		8.1600e-003	8.1600e-003		8.1600e-003	8.1600e-003		128.9071	128.9071	2.4700e-003	2.3600e-003	129.6732
NaturalGas Unmitigated	0.0118	0.1074	0.0902	6.4000e-004		8.1600e-003	8.1600e-003		8.1600e-003	8.1600e-003		128.9071	128.9071	2.4700e-003	2.3600e-003	129.6732

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1035.32	0.0112	0.1015	0.0853	6.1000e-004		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003		121.8022	121.8022	2.3300e-003	2.2300e-003	122.5260
Strip Mall	60.3922	6.5000e-004	5.9200e-003	4.9700e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.1050	7.1050	1.4000e-004	1.3000e-004	7.1472
Total		0.0118	0.1074	0.0902	6.5000e-004		8.1600e-003	8.1600e-003		8.1600e-003	8.1600e-003		128.9071	128.9071	2.4700e-003	2.3600e-003	129.6732

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	1.03532	0.0112	0.1015	0.0853	6.1000e-004		7.7100e-003	7.7100e-003		7.7100e-003	7.7100e-003		121.8022	121.8022	2.3300e-003	2.2300e-003	122.5260
Strip Mall	0.0603922	6.5000e-004	5.9200e-003	4.9700e-003	4.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004		7.1050	7.1050	1.4000e-004	1.3000e-004	7.1472
Total		0.0118	0.1074	0.0902	6.5000e-004		8.1600e-003	8.1600e-003		8.1600e-003	8.1600e-003		128.9071	128.9071	2.4700e-003	2.3600e-003	129.6732

6.0 Area Detail

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0133	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106
Unmitigated	1.0133	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1152					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8977					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106
Total	1.0133	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1152					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8977					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.3000e-004	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106
Total	1.0133	4.0000e-005	4.6200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.9200e-003	9.9200e-003	3.0000e-005		0.0106

7.0 Water Detail

7.1 Mitigation Measures Water

Bolsa Chica Senior Living Community Project - Existing Uses - Orange County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation
