

# Appendix D

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Air Quality, Energy, and  
Greenhouse Gas Modeling Data



Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**Elk Grove LEA Community Plan Construction + Operation Emissions**

**Sacramento County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	925.00	Dwelling Unit	287.00	925,000.00	2470
City Park	115.00	Acre	115.00	5,009,400.00	0
General Office Building	7,514.00	1000sqft	172.50	7,514,000.00	0
Single Family Housing	287.00	Dwelling Unit	575.00	516,600.00	766

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	2			<b>Operational Year</b>	2040
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	74	<b>CH4 Intensity (lb/MWhr)</b>	0.013	<b>N2O Intensity (lb/MWhr)</b>	0.002

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Emissions estimates for Elk Grove LEA Community Update. Forecasted EFs for SMUD for 2040 override

Land Use - 1,150 acres parcel of single family home, multi family homes, commercial, and open space

Construction Phase - Construction to occur from 2024-2040. CalEEMod default ratios utilized.

Off-road Equipment - CalEEMod Defaults Used

Trips and VMT - No project specific information available

Demolition - No project specific information available

Grading - No project specific information available

Architectural Coating - Consistent with SMAQMD's Rule 422

Vehicle Trips - Values adjusted to adhere to VMT Study

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

Energy Use - Adjusted to reflect consistency with 2019 California Energy Code

Water And Wastewater - Defaults used

Solid Waste - Defaults Used

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	50.00
tblConstructionPhase	NumDays	6,000.00	127.00
tblConstructionPhase	NumDays	15,500.00	328.00
tblConstructionPhase	NumDays	155,000.00	3,282.00
tblConstructionPhase	NumDays	11,000.00	233.00
tblConstructionPhase	NumDays	11,000.00	233.00
tblConstructionPhase	PhaseEndDate	12/28/2046	6/25/2024
tblConstructionPhase	PhaseEndDate	5/28/2106	9/25/2025
tblConstructionPhase	PhaseEndDate	7/13/2700	4/26/2038
tblConstructionPhase	PhaseEndDate	9/11/2742	3/17/2039
tblConstructionPhase	PhaseEndDate	11/9/2784	2/6/2041
tblConstructionPhase	PhaseStartDate	12/29/2046	6/25/2024
tblConstructionPhase	PhaseStartDate	5/29/2106	9/26/2025
tblConstructionPhase	PhaseStartDate	7/14/2700	4/27/2038
tblConstructionPhase	PhaseStartDate	9/12/2742	3/18/2040
tblGrading	AcresOfGrading	984.00	46,500.00
tblGrading	AcresOfGrading	190.50	9,000.00
tblLandUse	LotAcreage	24.34	287.00
tblLandUse	LotAcreage	93.18	575.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.013

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

tblProjectCharacteristics	CO2IntensityFactor	357.98	74
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	ST_TR	1.96	0.60
tblVehicleTrips	ST_TR	2.21	0.20
tblVehicleTrips	ST_TR	4.91	2.10
tblVehicleTrips	ST_TR	9.54	4.20

**2.0 Emissions Summary**

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**2.1 Overall Construction**

**Unmitigated Construction**

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

**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
Year	tons/yr										MT/yr					
2024	0.3945	3.9313	3.1035	6.7900e-003	31.0040	0.1690	31.1729	4.0382	0.1555	4.1937			597.2742	0.1890	3.9000e-004	602.1169
2025	0.8789	6.8967	7.8402	0.0316	27.0268	0.1522	27.1790	3.4669	0.1411	3.6080			2,946.0219	0.2491	0.2246	3,019.1903
2026	2.1419	15.5679	19.0371	0.0941	6.7251	0.1617	6.8868	1.8271	0.1528	1.9798			8,904.0498	0.2889	0.8292	9,158.3758
2027	2.0395	15.2429	18.2565	0.0919	6.7249	0.1588	6.8837	1.8270	0.1500	1.9770			8,688.7676	0.2777	0.8099	8,937.0668
2028	1.9385	14.9157	17.5390	0.0894	6.6990	0.1554	6.8544	1.8200	0.1468	1.9668			8,458.2930	0.2675	0.7892	8,700.1481
2029	1.8554	14.7272	17.0421	0.0878	6.7246	0.1533	6.8779	1.8269	0.1448	1.9718			8,309.1981	0.2603	0.7759	8,546.9222
2030	1.7616	13.9137	16.5767	0.0866	6.7245	0.1012	6.8257	1.8269	0.0970	1.9239			8,185.0210	0.1957	0.7612	8,416.7534
2031	1.6795	13.7231	16.1683	0.0850	6.7244	0.0988	6.8232	1.8269	0.0947	1.9216			8,038.3451	0.1890	0.7482	8,266.0467
2032	1.6107	13.6131	15.8833	0.0840	6.7501	0.0971	6.8471	1.8338	0.0931	1.9269			7,939.3257	0.1839	0.7398	8,164.3928
2033	1.5340	13.3745	15.4705	0.0821	6.6985	0.0945	6.7930	1.8198	0.0907	1.9105			7,765.0886	0.1775	0.7245	7,985.4110
2034	1.4752	13.2479	15.2123	0.0811	6.6984	0.0927	6.7911	1.8198	0.0890	1.9088			7,663.1708	0.1728	0.7157	7,880.7585
2035	1.4149	13.0879	15.0432	0.0804	6.7241	0.0840	6.8081	1.8267	0.0804	1.9071			7,602.5949	0.1685	0.7107	7,818.5930
2036	1.4203	13.1380	15.1008	0.0807	6.7499	0.0843	6.8342	1.8337	0.0807	1.9144			7,631.7236	0.1692	0.7134	7,848.5493
2037	1.4149	13.0879	15.0432	0.0804	6.7241	0.0840	6.8081	1.8267	0.0804	1.9071			7,602.5949	0.1685	0.7107	7,818.5930
2038	0.5485	4.5493	6.1603	0.0278	2.1224	0.0432	2.1656	0.5765	0.0420	0.6186			2,610.0514	0.0613	0.2234	2,678.1644
2039	0.0314	0.1320	0.4326	7.8000e-004	2.9700e-003	5.0700e-003	8.0400e-003	7.9000e-004	5.0700e-003	5.8600e-003			66.8202	2.5300e-003	4.0000e-005	66.8961
2040	19.5205	0.1475	1.5452	5.2100e-003	0.7988	2.3900e-003	0.8012	0.2125	2.2600e-003	0.2147			475.5828	7.3500e-003	0.0108	478.9959
2041	2.5585	0.0193	0.2025	6.8000e-004	0.1047	3.1000e-004	0.1050	0.0279	3.0000e-004	0.0281			62.3337	9.6000e-004	1.4200e-003	62.7810
<b>Maximum</b>	<b>19.5205</b>	<b>15.5679</b>	<b>19.0371</b>	<b>0.0941</b>	<b>31.0040</b>	<b>0.1690</b>	<b>31.1729</b>	<b>4.0382</b>	<b>0.1555</b>	<b>4.1937</b>			<b>8,904.0498</b>	<b>0.2889</b>	<b>0.8292</b>	<b>9,158.3758</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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**

**Mitigated Construction**

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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
Year	tons/yr										MT/yr					
2024	0.3945	3.9313	3.1035	6.7900e-003	31.0040	0.1690	31.1729	4.0382	0.1555	4.1937			597.2735	0.1890	3.9000e-004	602.1162
2025	0.8789	6.8967	7.8402	0.0316	27.0268	0.1522	27.1790	3.4669	0.1411	3.6080			2,946.0212	0.2491	0.2246	3,019.1896
2026	2.1419	15.5679	19.0371	0.0941	6.7251	0.1617	6.8868	1.8271	0.1528	1.9798			8,904.0494	0.2889	0.8292	9,158.3754
2027	2.0395	15.2429	18.2565	0.0919	6.7249	0.1588	6.8837	1.8270	0.1500	1.9770			8,688.7672	0.2777	0.8099	8,937.0665
2028	1.9385	14.9157	17.5390	0.0894	6.6990	0.1554	6.8544	1.8200	0.1468	1.9668			8,458.2926	0.2675	0.7892	8,700.1477
2029	1.8554	14.7272	17.0421	0.0878	6.7246	0.1533	6.8779	1.8269	0.1448	1.9718			8,309.1978	0.2603	0.7759	8,546.9218
2030	1.7616	13.9137	16.5767	0.0866	6.7245	0.1012	6.8257	1.8269	0.0970	1.9239			8,185.0206	0.1957	0.7612	8,416.7530
2031	1.6795	13.7231	16.1683	0.0850	6.7244	0.0988	6.8232	1.8269	0.0947	1.9216			8,038.3447	0.1890	0.7482	8,266.0463
2032	1.6107	13.6131	15.8833	0.0840	6.7501	0.0971	6.8471	1.8338	0.0931	1.9269			7,939.3253	0.1839	0.7398	8,164.3924
2033	1.5340	13.3745	15.4705	0.0821	6.6985	0.0945	6.7930	1.8198	0.0907	1.9105			7,765.0882	0.1775	0.7245	7,985.4106
2034	1.4752	13.2479	15.2123	0.0811	6.6984	0.0927	6.7911	1.8198	0.0890	1.9088			7,663.1703	0.1728	0.7157	7,880.7581
2035	1.4149	13.0879	15.0432	0.0804	6.7241	0.0840	6.8081	1.8267	0.0804	1.9071			7,602.5945	0.1685	0.7107	7,818.5926
2036	1.4203	13.1380	15.1008	0.0807	6.7499	0.0843	6.8342	1.8337	0.0807	1.9144			7,631.7232	0.1692	0.7134	7,848.5489
2037	1.4149	13.0879	15.0432	0.0804	6.7241	0.0840	6.8081	1.8267	0.0804	1.9071			7,602.5945	0.1685	0.7107	7,818.5926
2038	0.5485	4.5493	6.1603	0.0278	2.1224	0.0432	2.1656	0.5765	0.0420	0.6186			2,610.0510	0.0613	0.2234	2,678.1640
2039	0.0314	0.1320	0.4326	7.8000e-004	2.9700e-003	5.0700e-003	8.0400e-003	7.9000e-004	5.0700e-003	5.8600e-003			66.8201	2.5300e-003	4.0000e-005	66.8960
2040	19.5205	0.1475	1.5452	5.2100e-003	0.7988	2.3900e-003	0.8012	0.2125	2.2600e-003	0.2147			475.5828	7.3500e-003	0.0108	478.9958
2041	2.5585	0.0193	0.2025	6.8000e-004	0.1047	3.1000e-004	0.1050	0.0279	3.0000e-004	0.0281			62.3337	9.6000e-004	1.4200e-003	62.7810
<b>Maximum</b>	<b>19.5205</b>	<b>15.5679</b>	<b>19.0371</b>	<b>0.0941</b>	<b>31.0040</b>	<b>0.1690</b>	<b>31.1729</b>	<b>4.0382</b>	<b>0.1555</b>	<b>4.1937</b>			<b>8,904.0494</b>	<b>0.2889</b>	<b>0.8292</b>	<b>9,158.3754</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

**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	0.00	0.00	0.00	0.00	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)
1	1-1-2024	3-31-2024	0.9724	0.9724
2	4-1-2024	6-30-2024	0.9954	0.9954
3	7-1-2024	9-30-2024	1.1726	1.1726
4	10-1-2024	12-31-2024	1.1725	1.1725
5	1-1-2025	3-31-2025	0.9941	0.9941
6	4-1-2025	6-30-2025	1.0052	1.0052
7	7-1-2025	9-30-2025	1.2037	1.2037
8	10-1-2025	12-31-2025	4.6972	4.6972
9	1-1-2026	3-31-2026	4.4745	4.4745
10	4-1-2026	6-30-2026	4.3007	4.3007
11	7-1-2026	9-30-2026	4.3480	4.3480
12	10-1-2026	12-31-2026	4.5739	4.5739
13	1-1-2027	3-31-2027	4.3658	4.3658
14	4-1-2027	6-30-2027	4.1949	4.1949
15	7-1-2027	9-30-2027	4.2410	4.2410
16	10-1-2027	12-31-2027	4.4628	4.4628
17	1-1-2028	3-31-2028	4.3207	4.3207
18	4-1-2028	6-30-2028	4.1046	4.1046
19	7-1-2028	9-30-2028	4.1497	4.1497
20	10-1-2028	12-31-2028	4.3682	4.3682
21	1-1-2029	3-31-2029	4.1877	4.1877
22	4-1-2029	6-30-2029	4.0207	4.0207
23	7-1-2029	9-30-2029	4.0649	4.0649

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24	10-1-2029	12-31-2029	4.2808	4.2808
25	1-1-2030	3-31-2030	3.9619	3.9619
26	4-1-2030	6-30-2030	3.7942	3.7942
27	7-1-2030	9-30-2030	3.8359	3.8359
28	10-1-2030	12-31-2030	4.0499	4.0499
29	1-1-2031	3-31-2031	3.8927	3.8927
30	4-1-2031	6-30-2031	3.7255	3.7255
31	7-1-2031	9-30-2031	3.7664	3.7664
32	10-1-2031	12-31-2031	3.9792	3.9792
33	1-1-2032	3-31-2032	3.8753	3.8753
34	4-1-2032	6-30-2032	3.6653	3.6653
35	7-1-2032	9-30-2032	3.7056	3.7056
36	10-1-2032	12-31-2032	3.9179	3.9179
37	1-1-2033	3-31-2033	3.7822	3.7822
38	4-1-2033	6-30-2033	3.6144	3.6144
39	7-1-2033	9-30-2033	3.6541	3.6541
40	10-1-2033	12-31-2033	3.8662	3.8662
41	1-1-2034	3-31-2034	3.7353	3.7353
42	4-1-2034	6-30-2034	3.5667	3.5667
43	7-1-2034	9-30-2034	3.6059	3.6059
44	10-1-2034	12-31-2034	3.8183	3.8183
45	1-1-2035	3-31-2035	3.6663	3.6663
46	4-1-2035	6-30-2035	3.4964	3.4964
47	7-1-2035	9-30-2035	3.5348	3.5348
48	10-1-2035	12-31-2035	3.7478	3.7478
49	1-1-2036	3-31-2036	3.7070	3.7070
50	4-1-2036	6-30-2036	3.4964	3.4964
51	7-1-2036	9-30-2036	3.5348	3.5348
52	10-1-2036	12-31-2036	3.7478	3.7478

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

53	1-1-2037	3-31-2037	3.6663	3.6663
54	4-1-2037	6-30-2037	3.4964	3.4964
55	7-1-2037	9-30-2037	3.5348	3.5348
56	10-1-2037	12-31-2037	3.7478	3.7478
57	1-1-2038	3-31-2038	3.6663	3.6663
58	4-1-2038	6-30-2038	1.1395	1.1395
59	7-1-2038	9-30-2038	0.1988	0.1988
60	10-1-2038	12-31-2038	0.1988	0.1988
61	1-1-2039	3-31-2039	0.1643	0.1643
65	1-1-2040	3-31-2040	0.9556	0.9556
66	4-1-2040	6-30-2040	6.2096	6.2096
67	7-1-2040	9-30-2040	6.2778	6.2778
68	10-1-2040	12-31-2040	6.2795	6.2795
69	1-1-2041	3-31-2041	2.5254	2.5254
		Highest	6.2795	6.2795

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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	39.7890	0.1445	12.5408	6.7000e-004		0.0697	0.0697		0.0697	0.0697			20.6061	0.0199	0.0000	21.1042
Energy	0.7440	6.7181	5.3471	0.0406		0.5140	0.5140		0.5140	0.5140			9,996.5001	0.6038	0.2062	10,073.0308
Mobile	16.3527	18.7518	160.5573	0.3343	47.2607	0.1734	47.4341	12.6194	0.1620	12.7814			31,019.9253	2.2095	1.6093	31,554.7343
Waste						0.0000	0.0000		0.0000	0.0000			1,562.8619	92.3625	0.0000	3,871.9243
Water						0.0000	0.0000		0.0000	0.0000			855.1054	1.7848	1.0979	1,226.8907
<b>Total</b>	<b>56.8857</b>	<b>25.6144</b>	<b>178.4452</b>	<b>0.3756</b>	<b>47.2607</b>	<b>0.7571</b>	<b>48.0178</b>	<b>12.6194</b>	<b>0.7457</b>	<b>13.3651</b>			<b>43,454.9989</b>	<b>96.9804</b>	<b>2.9133</b>	<b>46,747.6843</b>

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**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	tons/yr										MT/yr					
Area	39.7890	0.1445	12.5408	6.7000e-004		0.0697	0.0697		0.0697	0.0697			20.6061	0.0199	0.0000	21.1042
Energy	0.7440	6.7181	5.3471	0.0406		0.5140	0.5140		0.5140	0.5140			9,996.5001	0.6038	0.2062	10,073.0308
Mobile	16.3527	18.7518	160.5573	0.3343	47.2607	0.1734	47.4341	12.6194	0.1620	12.7814			31,019.9253	2.2095	1.6093	31,554.7343
Waste						0.0000	0.0000		0.0000	0.0000			1,562.8619	92.3625	0.0000	3,871.9243
Water						0.0000	0.0000		0.0000	0.0000			855.1054	1.7848	1.0979	1,226.8907
<b>Total</b>	<b>56.8857</b>	<b>25.6144</b>	<b>178.4452</b>	<b>0.3756</b>	<b>47.2607</b>	<b>0.7571</b>	<b>48.0178</b>	<b>12.6194</b>	<b>0.7457</b>	<b>13.3651</b>			<b>43,454.9989</b>	<b>96.9804</b>	<b>2.9133</b>	<b>46,747.6843</b>

	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
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**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	1/1/2024	6/25/2024	5	127	
2	Grading	Grading	6/25/2024	9/25/2025	5	328	
3	Building Construction	Building Construction	9/26/2025	4/26/2038	5	3282	

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

4	Paving	Paving	4/27/2038	3/17/2039	5	233
5	Architectural Coating	Architectural Coating	3/18/2040	2/6/2041	5	233

**Acres of Grading (Site Preparation Phase): 9000**

**Acres of Grading (Grading Phase): 46500**

**Acres of Paving: 0**

**Residential Indoor: 2,919,240; Residential Outdoor: 973,080; Non-Residential Indoor: 11,271,000; Non-Residential Outdoor: 3,757,000; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

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

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	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	5,278.00	2,182.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1,056.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 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					5.9195	0.0000	5.9195	1.1459	0.0000	1.1459			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1690	1.7257	1.1643	2.4200e-003		0.0781	0.0781		0.0718	0.0718			212.4524	0.0687	0.0000	214.1701
<b>Total</b>	<b>0.1690</b>	<b>1.7257</b>	<b>1.1643</b>	<b>2.4200e-003</b>	<b>5.9195</b>	<b>0.0781</b>	<b>5.9975</b>	<b>1.1459</b>	<b>0.0718</b>	<b>1.2177</b>			<b>212.4524</b>	<b>0.0687</b>	<b>0.0000</b>	<b>214.1701</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.2 Site Preparation - 2024**

**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
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
Worker	3.0600e-003	1.8000e-003	0.0247	7.0000e-005	8.3900e-003	4.0000e-005	8.4400e-003	2.2300e-003	4.0000e-005	2.2700e-003			6.4338	1.9000e-004	1.8000e-004	6.4920
<b>Total</b>	<b>3.0600e-003</b>	<b>1.8000e-003</b>	<b>0.0247</b>	<b>7.0000e-005</b>	<b>8.3900e-003</b>	<b>4.0000e-005</b>	<b>8.4400e-003</b>	<b>2.2300e-003</b>	<b>4.0000e-005</b>	<b>2.2700e-003</b>			<b>6.4338</b>	<b>1.9000e-004</b>	<b>1.8000e-004</b>	<b>6.4920</b>

**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					5.9195	0.0000	5.9195	1.1459	0.0000	1.1459			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1690	1.7257	1.1643	2.4200e-003		0.0781	0.0781		0.0718	0.0718			212.4521	0.0687	0.0000	214.1699
<b>Total</b>	<b>0.1690</b>	<b>1.7257</b>	<b>1.1643</b>	<b>2.4200e-003</b>	<b>5.9195</b>	<b>0.0781</b>	<b>5.9975</b>	<b>1.1459</b>	<b>0.0718</b>	<b>1.2177</b>			<b>212.4521</b>	<b>0.0687</b>	<b>0.0000</b>	<b>214.1699</b>

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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 Site Preparation - 2024**

**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
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
Worker	3.0600e-003	1.8000e-003	0.0247	7.0000e-005	8.3900e-003	4.0000e-005	8.4400e-003	2.2300e-003	4.0000e-005	2.2700e-003			6.4338	1.9000e-004	1.8000e-004	6.4920
<b>Total</b>	<b>3.0600e-003</b>	<b>1.8000e-003</b>	<b>0.0247</b>	<b>7.0000e-005</b>	<b>8.3900e-003</b>	<b>4.0000e-005</b>	<b>8.4400e-003</b>	<b>2.2300e-003</b>	<b>4.0000e-005</b>	<b>2.2700e-003</b>			<b>6.4338</b>	<b>1.9000e-004</b>	<b>1.8000e-004</b>	<b>6.4920</b>

**3.3 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					25.0661	0.0000	25.0661	2.8874	0.0000	2.8874			0.0000	0.0000	0.0000	0.0000
Off-Road	0.2188	2.2016	1.8852	4.2200e-003		0.0908	0.0908		0.0835	0.0835			370.7328	0.1199	0.0000	373.7303
<b>Total</b>	<b>0.2188</b>	<b>2.2016</b>	<b>1.8852</b>	<b>4.2200e-003</b>	<b>25.0661</b>	<b>0.0908</b>	<b>25.1570</b>	<b>2.8874</b>	<b>0.0835</b>	<b>2.9710</b>			<b>370.7328</b>	<b>0.1199</b>	<b>0.0000</b>	<b>373.7303</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.3 Grading - 2024**

**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
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
Worker	3.6400e-003	2.1500e-003	0.0294	8.0000e-005	9.9900e-003	5.0000e-005	0.0100	2.6600e-003	5.0000e-005	2.7000e-003			7.6553	2.3000e-004	2.1000e-004	7.7245
<b>Total</b>	<b>3.6400e-003</b>	<b>2.1500e-003</b>	<b>0.0294</b>	<b>8.0000e-005</b>	<b>9.9900e-003</b>	<b>5.0000e-005</b>	<b>0.0100</b>	<b>2.6600e-003</b>	<b>5.0000e-005</b>	<b>2.7000e-003</b>			<b>7.6553</b>	<b>2.3000e-004</b>	<b>2.1000e-004</b>	<b>7.7245</b>

**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					25.0661	0.0000	25.0661	2.8874	0.0000	2.8874			0.0000	0.0000	0.0000	0.0000
Off-Road	0.2188	2.2016	1.8852	4.2200e-003		0.0908	0.0908		0.0835	0.0835			370.7323	0.1199	0.0000	373.7299
<b>Total</b>	<b>0.2188</b>	<b>2.2016</b>	<b>1.8852</b>	<b>4.2200e-003</b>	<b>25.0661</b>	<b>0.0908</b>	<b>25.1570</b>	<b>2.8874</b>	<b>0.0835</b>	<b>2.9710</b>			<b>370.7323</b>	<b>0.1199</b>	<b>0.0000</b>	<b>373.7299</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.3 Grading - 2024**

**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
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
Worker	3.6400e-003	2.1500e-003	0.0294	8.0000e-005	9.9900e-003	5.0000e-005	0.0100	2.6600e-003	5.0000e-005	2.7000e-003			7.6553	2.3000e-004	2.1000e-004	7.7245
<b>Total</b>	<b>3.6400e-003</b>	<b>2.1500e-003</b>	<b>0.0294</b>	<b>8.0000e-005</b>	<b>9.9900e-003</b>	<b>5.0000e-005</b>	<b>0.0100</b>	<b>2.6600e-003</b>	<b>5.0000e-005</b>	<b>2.7000e-003</b>			<b>7.6553</b>	<b>2.3000e-004</b>	<b>2.1000e-004</b>	<b>7.7245</b>

**3.3 Grading - 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					
Fugitive Dust					25.2348	0.0000	25.2348	2.9801	0.0000	2.9801			0.0000	0.0000	0.0000	0.0000
Off-Road	0.2785	2.6825	2.5278	5.9600e-003		0.1086	0.1086		0.0999	0.0999			523.2596	0.1692	0.0000	527.4905
<b>Total</b>	<b>0.2785</b>	<b>2.6825</b>	<b>2.5278</b>	<b>5.9600e-003</b>	<b>25.2348</b>	<b>0.1086</b>	<b>25.3433</b>	<b>2.9801</b>	<b>0.0999</b>	<b>3.0800</b>			<b>523.2596</b>	<b>0.1692</b>	<b>0.0000</b>	<b>527.4905</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.3 Grading - 2025**

**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
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
Worker	4.8300e-003	2.7200e-003	0.0387	1.1000e-004	0.0141	7.0000e-005	0.0142	3.7500e-003	6.0000e-005	3.8100e-003			10.4423	2.9000e-004	2.8000e-004	10.5334
<b>Total</b>	<b>4.8300e-003</b>	<b>2.7200e-003</b>	<b>0.0387</b>	<b>1.1000e-004</b>	<b>0.0141</b>	<b>7.0000e-005</b>	<b>0.0142</b>	<b>3.7500e-003</b>	<b>6.0000e-005</b>	<b>3.8100e-003</b>			<b>10.4423</b>	<b>2.9000e-004</b>	<b>2.8000e-004</b>	<b>10.5334</b>

**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					25.2348	0.0000	25.2348	2.9801	0.0000	2.9801			0.0000	0.0000	0.0000	0.0000
Off-Road	0.2785	2.6825	2.5278	5.9600e-003		0.1086	0.1086		0.0999	0.0999			523.2590	0.1692	0.0000	527.4898
<b>Total</b>	<b>0.2785</b>	<b>2.6825</b>	<b>2.5278</b>	<b>5.9600e-003</b>	<b>25.2348</b>	<b>0.1086</b>	<b>25.3433</b>	<b>2.9801</b>	<b>0.0999</b>	<b>3.0800</b>			<b>523.2590</b>	<b>0.1692</b>	<b>0.0000</b>	<b>527.4898</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.3 Grading - 2025**

**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
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
Worker	4.8300e-003	2.7200e-003	0.0387	1.1000e-004	0.0141	7.0000e-005	0.0142	3.7500e-003	6.0000e-005	3.8100e-003			10.4423	2.9000e-004	2.8000e-004	10.5334
<b>Total</b>	<b>4.8300e-003</b>	<b>2.7200e-003</b>	<b>0.0387</b>	<b>1.1000e-004</b>	<b>0.0141</b>	<b>7.0000e-005</b>	<b>0.0142</b>	<b>3.7500e-003</b>	<b>6.0000e-005</b>	<b>3.8100e-003</b>			<b>10.4423</b>	<b>2.9000e-004</b>	<b>2.8000e-004</b>	<b>10.5334</b>

**3.4 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	0.0472	0.4302	0.5549	9.3000e-004		0.0182	0.0182		0.0171	0.0171			80.0122	0.0188	0.0000	80.4824
<b>Total</b>	<b>0.0472</b>	<b>0.4302</b>	<b>0.5549</b>	<b>9.3000e-004</b>		<b>0.0182</b>	<b>0.0182</b>		<b>0.0171</b>	<b>0.0171</b>			<b>80.0122</b>	<b>0.0188</b>	<b>0.0000</b>	<b>80.4824</b>

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

**3.4 Building Construction - 2025**

**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
Vendor	0.0905	3.5237	1.0468	0.0138	0.4406	0.0189	0.4595	0.1274	0.0181	0.1454			1,341.9676	0.0328	0.1977	1,401.7025
Worker	0.4579	0.2576	3.6720	0.0108	1.3374	6.4500e-003	1.3438	0.3557	5.9400e-003	0.3616			990.3401	0.0280	0.0267	998.9815
<b>Total</b>	<b>0.5484</b>	<b>3.7813</b>	<b>4.7188</b>	<b>0.0246</b>	<b>1.7779</b>	<b>0.0253</b>	<b>1.8033</b>	<b>0.4830</b>	<b>0.0240</b>	<b>0.5070</b>			<b>2,332.3077</b>	<b>0.0607</b>	<b>0.2244</b>	<b>2,400.6840</b>

**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	0.0472	0.4302	0.5549	9.3000e-004		0.0182	0.0182		0.0171	0.0171			80.0121	0.0188	0.0000	80.4823
<b>Total</b>	<b>0.0472</b>	<b>0.4302</b>	<b>0.5549</b>	<b>9.3000e-004</b>		<b>0.0182</b>	<b>0.0182</b>		<b>0.0171</b>	<b>0.0171</b>			<b>80.0121</b>	<b>0.0188</b>	<b>0.0000</b>	<b>80.4823</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2025**

**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
Vendor	0.0905	3.5237	1.0468	0.0138	0.4406	0.0189	0.4595	0.1274	0.0181	0.1454			1,341.9676	0.0328	0.1977	1,401.7025
Worker	0.4579	0.2576	3.6720	0.0108	1.3374	6.4500e-003	1.3438	0.3557	5.9400e-003	0.3616			990.3401	0.0280	0.0267	998.9815
<b>Total</b>	<b>0.5484</b>	<b>3.7813</b>	<b>4.7188</b>	<b>0.0246</b>	<b>1.7779</b>	<b>0.0253</b>	<b>1.8033</b>	<b>0.4830</b>	<b>0.0240</b>	<b>0.5070</b>			<b>2,332.3077</b>	<b>0.0607</b>	<b>0.2244</b>	<b>2,400.6840</b>

**3.4 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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648			302.6549	0.0711	0.0000	304.4335
<b>Total</b>	<b>0.1785</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>			<b>302.6549</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4335</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2026**

**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
Vendor	0.3302	13.0580	3.8808	0.0511	1.6664	0.0696	1.7360	0.4817	0.0666	0.5482			4,973.9990	0.1212	0.7342	5,195.8285
Worker	1.6332	0.8826	13.0572	0.0396	5.0587	0.0232	5.0819	1.3454	0.0214	1.3668			3,627.3959	0.0965	0.0950	3,658.1138
<b>Total</b>	<b>1.9634</b>	<b>13.9406</b>	<b>16.9380</b>	<b>0.0906</b>	<b>6.7251</b>	<b>0.0929</b>	<b>6.8179</b>	<b>1.8271</b>	<b>0.0880</b>	<b>1.9151</b>			<b>8,601.3949</b>	<b>0.2177</b>	<b>0.8292</b>	<b>8,853.9423</b>

**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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648			302.6545	0.0711	0.0000	304.4331
<b>Total</b>	<b>0.1784</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>			<b>302.6545</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4331</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2026**

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
Vendor	0.3302	13.0580	3.8808	0.0511	1.6664	0.0696	1.7360	0.4817	0.0666	0.5482			4,973.9990	0.1212	0.7342	5,195.8285
Worker	1.6332	0.8826	13.0572	0.0396	5.0587	0.0232	5.0819	1.3454	0.0214	1.3668			3,627.3959	0.0965	0.0950	3,658.1138
<b>Total</b>	<b>1.9634</b>	<b>13.9406</b>	<b>16.9380</b>	<b>0.0906</b>	<b>6.7251</b>	<b>0.0929</b>	<b>6.8179</b>	<b>1.8271</b>	<b>0.0880</b>	<b>1.9151</b>			<b>8,601.3949</b>	<b>0.2177</b>	<b>0.8292</b>	<b>8,853.9423</b>

**3.4 Building Construction - 2027**

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			302.6549	0.0711	0.0000	304.4335
<b>Total</b>	<b>0.1785</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>			<b>302.6549</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4335</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2027**

**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
Vendor	0.3195	12.8097	3.8136	0.0500	1.6662	0.0680	1.7342	0.4816	0.0651	0.5466			4,867.3617	0.1181	0.7198	5,084.8224
Worker	1.5416	0.8059	12.3439	0.0384	5.0587	0.0219	5.0806	1.3454	0.0202	1.3656			3,518.7510	0.0885	0.0901	3,547.8110
<b>Total</b>	<b>1.8611</b>	<b>13.6156</b>	<b>16.1574</b>	<b>0.0883</b>	<b>6.7249</b>	<b>0.0899</b>	<b>6.8148</b>	<b>1.8270</b>	<b>0.0852</b>	<b>1.9123</b>			<b>8,386.1127</b>	<b>0.2066</b>	<b>0.8099</b>	<b>8,632.6333</b>

**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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648			302.6545	0.0711	0.0000	304.4331
<b>Total</b>	<b>0.1784</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>			<b>302.6545</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4331</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2027**

**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
Vendor	0.3195	12.8097	3.8136	0.0500	1.6662	0.0680	1.7342	0.4816	0.0651	0.5466			4,867.3617	0.1181	0.7198	5,084.8224
Worker	1.5416	0.8059	12.3439	0.0384	5.0587	0.0219	5.0806	1.3454	0.0202	1.3656			3,518.7510	0.0885	0.0901	3,547.8110
<b>Total</b>	<b>1.8611</b>	<b>13.6156</b>	<b>16.1574</b>	<b>0.0883</b>	<b>6.7249</b>	<b>0.0899</b>	<b>6.8148</b>	<b>1.8270</b>	<b>0.0852</b>	<b>1.9123</b>			<b>8,386.1127</b>	<b>0.2066</b>	<b>0.8099</b>	<b>8,632.6333</b>

**3.4 Building Construction - 2028**

**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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645			301.4953	0.0709	0.0000	303.2671
<b>Total</b>	<b>0.1778</b>	<b>1.6211</b>	<b>2.0910</b>	<b>3.5000e-003</b>		<b>0.0686</b>	<b>0.0686</b>		<b>0.0645</b>	<b>0.0645</b>			<b>301.4953</b>	<b>0.0709</b>	<b>0.0000</b>	<b>303.2671</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2028**

**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
Vendor	0.3089	12.5549	3.7452	0.0487	1.6597	0.0663	1.7260	0.4797	0.0634	0.5431			4,749.1483	0.1153	0.7035	4,961.6602
Worker	1.4519	0.7397	11.7029	0.0372	5.0393	0.0205	5.0598	1.3403	0.0189	1.3592			3,407.6493	0.0813	0.0857	3,435.2208
<b>Total</b>	<b>1.7608</b>	<b>13.2946</b>	<b>15.4480</b>	<b>0.0859</b>	<b>6.6990</b>	<b>0.0868</b>	<b>6.7858</b>	<b>1.8200</b>	<b>0.0823</b>	<b>1.9023</b>			<b>8,156.7977</b>	<b>0.1966</b>	<b>0.7892</b>	<b>8,396.8810</b>

**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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645			301.4949	0.0709	0.0000	303.2667
<b>Total</b>	<b>0.1778</b>	<b>1.6211</b>	<b>2.0910</b>	<b>3.5000e-003</b>		<b>0.0686</b>	<b>0.0686</b>		<b>0.0645</b>	<b>0.0645</b>			<b>301.4949</b>	<b>0.0709</b>	<b>0.0000</b>	<b>303.2667</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2028**

**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
Vendor	0.3089	12.5549	3.7452	0.0487	1.6597	0.0663	1.7260	0.4797	0.0634	0.5431			4,749.1483	0.1153	0.7035	4,961.6602
Worker	1.4519	0.7397	11.7029	0.0372	5.0393	0.0205	5.0598	1.3403	0.0189	1.3592			3,407.6493	0.0813	0.0857	3,435.2208
<b>Total</b>	<b>1.7608</b>	<b>13.2946</b>	<b>15.4480</b>	<b>0.0859</b>	<b>6.6990</b>	<b>0.0868</b>	<b>6.7858</b>	<b>1.8200</b>	<b>0.0823</b>	<b>1.9023</b>			<b>8,156.7977</b>	<b>0.1966</b>	<b>0.7892</b>	<b>8,396.8810</b>

**3.4 Building Construction - 2029**

**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			302.6549	0.0711	0.0000	304.4335
<b>Total</b>	<b>0.1785</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>			<b>302.6549</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4335</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2029**

**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
Vendor	0.3013	12.4110	3.7126	0.0480	1.6660	0.0652	1.7311	0.4815	0.0624	0.5439			4,673.8767	0.1137	0.6933	4,883.3146
Worker	1.3757	0.6890	11.2305	0.0363	5.0587	0.0193	5.0779	1.3454	0.0177	1.3632			3,332.6665	0.0755	0.0826	3,359.1741
<b>Total</b>	<b>1.6770</b>	<b>13.0999</b>	<b>14.9431</b>	<b>0.0843</b>	<b>6.7246</b>	<b>0.0845</b>	<b>6.8091</b>	<b>1.8269</b>	<b>0.0801</b>	<b>1.9070</b>			<b>8,006.5432</b>	<b>0.1891</b>	<b>0.7759</b>	<b>8,242.4887</b>

**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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648			302.6545	0.0711	0.0000	304.4331
<b>Total</b>	<b>0.1784</b>	<b>1.6273</b>	<b>2.0991</b>	<b>3.5200e-003</b>		<b>0.0689</b>	<b>0.0689</b>		<b>0.0648</b>	<b>0.0648</b>			<b>302.6545</b>	<b>0.0711</b>	<b>0.0000</b>	<b>304.4331</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2029**

**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
Vendor	0.3013	12.4110	3.7126	0.0480	1.6660	0.0652	1.7311	0.4815	0.0624	0.5439			4,673.8767	0.1137	0.6933	4,883.3146
Worker	1.3757	0.6890	11.2305	0.0363	5.0587	0.0193	5.0779	1.3454	0.0177	1.3632			3,332.6665	0.0755	0.0826	3,359.1741
<b>Total</b>	<b>1.6770</b>	<b>13.0999</b>	<b>14.9431</b>	<b>0.0843</b>	<b>6.7246</b>	<b>0.0845</b>	<b>6.8091</b>	<b>1.8269</b>	<b>0.0801</b>	<b>1.9070</b>			<b>8,006.5432</b>	<b>0.1891</b>	<b>0.7759</b>	<b>8,242.4887</b>

**3.4 Building Construction - 2030**

**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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193			343.0336	0.0138	0.0000	343.3777
<b>Total</b>	<b>0.1708</b>	<b>1.0355</b>	<b>2.1085</b>	<b>4.0400e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>			<b>343.0336</b>	<b>0.0138</b>	<b>0.0000</b>	<b>343.3777</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2030**

**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
Vendor	0.2933	12.2344	3.6753	0.0471	1.6658	0.0638	1.7297	0.4815	0.0611	0.5425			4,587.9535	0.1119	0.6814	4,793.8177
Worker	1.2974	0.6438	10.7930	0.0355	5.0587	0.0180	5.0767	1.3454	0.0166	1.3620			3,254.0338	0.0700	0.0798	3,279.5580
<b>Total</b>	<b>1.5908</b>	<b>12.8782</b>	<b>14.4683</b>	<b>0.0826</b>	<b>6.7245</b>	<b>0.0818</b>	<b>6.8063</b>	<b>1.8269</b>	<b>0.0776</b>	<b>1.9045</b>			<b>7,841.9874</b>	<b>0.1819</b>	<b>0.7612</b>	<b>8,073.3757</b>

**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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193			343.0332	0.0138	0.0000	343.3773
<b>Total</b>	<b>0.1708</b>	<b>1.0355</b>	<b>2.1085</b>	<b>4.0400e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>			<b>343.0332</b>	<b>0.0138</b>	<b>0.0000</b>	<b>343.3773</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2030**

**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
Vendor	0.2933	12.2344	3.6753	0.0471	1.6658	0.0638	1.7297	0.4815	0.0611	0.5425			4,587.9535	0.1119	0.6814	4,793.8177
Worker	1.2974	0.6438	10.7930	0.0355	5.0587	0.0180	5.0767	1.3454	0.0166	1.3620			3,254.0338	0.0700	0.0798	3,279.5580
<b>Total</b>	<b>1.5908</b>	<b>12.8782</b>	<b>14.4683</b>	<b>0.0826</b>	<b>6.7245</b>	<b>0.0818</b>	<b>6.8063</b>	<b>1.8269</b>	<b>0.0776</b>	<b>1.9045</b>			<b>7,841.9874</b>	<b>0.1819</b>	<b>0.7612</b>	<b>8,073.3757</b>

**3.4 Building Construction - 2031**

**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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193			343.0336	0.0138	0.0000	343.3777
<b>Total</b>	<b>0.1708</b>	<b>1.0355</b>	<b>2.1085</b>	<b>4.0400e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>			<b>343.0336</b>	<b>0.0138</b>	<b>0.0000</b>	<b>343.3777</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2031**

**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
Vendor	0.2866	12.0825	3.6492	0.0463	1.6657	0.0626	1.7284	0.4814	0.0599	0.5413			4,511.1824	0.1101	0.6709	4,713.8514
Worker	1.2221	0.6051	10.4106	0.0347	5.0587	0.0168	5.0755	1.3454	0.0155	1.3609			3,184.1291	0.0652	0.0774	3,208.8177
<b>Total</b>	<b>1.5087</b>	<b>12.6876</b>	<b>14.0599</b>	<b>0.0810</b>	<b>6.7244</b>	<b>0.0795</b>	<b>6.8039</b>	<b>1.8269</b>	<b>0.0754</b>	<b>1.9023</b>			<b>7,695.3115</b>	<b>0.1753</b>	<b>0.7482</b>	<b>7,922.6690</b>

**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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193			343.0332	0.0138	0.0000	343.3773
<b>Total</b>	<b>0.1708</b>	<b>1.0355</b>	<b>2.1085</b>	<b>4.0400e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>			<b>343.0332</b>	<b>0.0138</b>	<b>0.0000</b>	<b>343.3773</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2031**

**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
Vendor	0.2866	12.0825	3.6492	0.0463	1.6657	0.0626	1.7284	0.4814	0.0599	0.5413			4,511.1824	0.1101	0.6709	4,713.8514
Worker	1.2221	0.6051	10.4106	0.0347	5.0587	0.0168	5.0755	1.3454	0.0155	1.3609			3,184.1291	0.0652	0.0774	3,208.8177
<b>Total</b>	<b>1.5087</b>	<b>12.6876</b>	<b>14.0599</b>	<b>0.0810</b>	<b>6.7244</b>	<b>0.0795</b>	<b>6.8039</b>	<b>1.8269</b>	<b>0.0754</b>	<b>1.9023</b>			<b>7,695.3115</b>	<b>0.1753</b>	<b>0.7482</b>	<b>7,922.6690</b>

**3.4 Building Construction - 2032**

**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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194			344.3479	0.0138	0.0000	344.6933
<b>Total</b>	<b>0.1715</b>	<b>1.0394</b>	<b>2.1166</b>	<b>4.0600e-003</b>		<b>0.0194</b>	<b>0.0194</b>		<b>0.0194</b>	<b>0.0194</b>			<b>344.3479</b>	<b>0.0138</b>	<b>0.0000</b>	<b>344.6933</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2032**

**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
Vendor	0.2819	11.9983	3.6463	0.0458	1.6720	0.0618	1.7339	0.4832	0.0592	0.5424			4,460.7049	0.1089	0.6641	4,661.3375
Worker	1.1572	0.5754	10.1205	0.0342	5.0780	0.0158	5.0939	1.3506	0.0146	1.3652			3,134.2728	0.0612	0.0757	3,158.3620
<b>Total</b>	<b>1.4392</b>	<b>12.5737</b>	<b>13.7668</b>	<b>0.0799</b>	<b>6.7501</b>	<b>0.0777</b>	<b>6.8277</b>	<b>1.8338</b>	<b>0.0737</b>	<b>1.9075</b>			<b>7,594.9777</b>	<b>0.1701</b>	<b>0.7398</b>	<b>7,819.6995</b>

**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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194			344.3475	0.0138	0.0000	344.6929
<b>Total</b>	<b>0.1715</b>	<b>1.0394</b>	<b>2.1166</b>	<b>4.0600e-003</b>		<b>0.0194</b>	<b>0.0194</b>		<b>0.0194</b>	<b>0.0194</b>			<b>344.3475</b>	<b>0.0138</b>	<b>0.0000</b>	<b>344.6929</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2032**

**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
Vendor	0.2819	11.9983	3.6463	0.0458	1.6720	0.0618	1.7339	0.4832	0.0592	0.5424			4,460.7049	0.1089	0.6641	4,661.3375
Worker	1.1572	0.5754	10.1205	0.0342	5.0780	0.0158	5.0939	1.3506	0.0146	1.3652			3,134.2728	0.0612	0.0757	3,158.3620
<b>Total</b>	<b>1.4392</b>	<b>12.5737</b>	<b>13.7668</b>	<b>0.0799</b>	<b>6.7501</b>	<b>0.0777</b>	<b>6.8277</b>	<b>1.8338</b>	<b>0.0737</b>	<b>1.9075</b>			<b>7,594.9777</b>	<b>0.1701</b>	<b>0.7398</b>	<b>7,819.6995</b>

**3.4 Building Construction - 2033**

**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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193			341.7193	0.0137	0.0000	342.0621
<b>Total</b>	<b>0.1702</b>	<b>1.0315</b>	<b>2.1004</b>	<b>4.0200e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>			<b>341.7193</b>	<b>0.0137</b>	<b>0.0000</b>	<b>342.0621</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2033**

**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
Vendor	0.2750	11.7974	3.6072	0.0448	1.6592	0.0605	1.7197	0.4795	0.0579	0.5374			4,367.1787	0.1067	0.6509	4,563.8148
Worker	1.0888	0.5455	9.7629	0.0333	5.0393	0.0147	5.0540	1.3403	0.0136	1.3538			3,056.1906	0.0570	0.0736	3,079.5341
<b>Total</b>	<b>1.3638</b>	<b>12.3430</b>	<b>13.3701</b>	<b>0.0781</b>	<b>6.6985</b>	<b>0.0752</b>	<b>6.7737</b>	<b>1.8198</b>	<b>0.0714</b>	<b>1.8912</b>			<b>7,423.3693</b>	<b>0.1638</b>	<b>0.7245</b>	<b>7,643.3489</b>

**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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193			341.7189	0.0137	0.0000	342.0617
<b>Total</b>	<b>0.1702</b>	<b>1.0315</b>	<b>2.1004</b>	<b>4.0200e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>			<b>341.7189</b>	<b>0.0137</b>	<b>0.0000</b>	<b>342.0617</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2033**

**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
Vendor	0.2750	11.7974	3.6072	0.0448	1.6592	0.0605	1.7197	0.4795	0.0579	0.5374			4,367.1787	0.1067	0.6509	4,563.8148
Worker	1.0888	0.5455	9.7629	0.0333	5.0393	0.0147	5.0540	1.3403	0.0136	1.3538			3,056.1906	0.0570	0.0736	3,079.5341
<b>Total</b>	<b>1.3638</b>	<b>12.3430</b>	<b>13.3701</b>	<b>0.0781</b>	<b>6.6985</b>	<b>0.0752</b>	<b>6.7737</b>	<b>1.8198</b>	<b>0.0714</b>	<b>1.8912</b>			<b>7,423.3693</b>	<b>0.1638</b>	<b>0.7245</b>	<b>7,643.3489</b>

**3.4 Building Construction - 2034**

**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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193			341.7193	0.0137	0.0000	342.0621
<b>Total</b>	<b>0.1702</b>	<b>1.0315</b>	<b>2.1004</b>	<b>4.0200e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>			<b>341.7193</b>	<b>0.0137</b>	<b>0.0000</b>	<b>342.0621</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2034**

**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
Vendor	0.2707	11.6920	3.5982	0.0442	1.6591	0.0596	1.7188	0.4795	0.0571	0.5365			4,312.760 1	0.1054	0.6434	4,507.131 4
Worker	1.0343	0.5244	9.5137	0.0328	5.0393	0.0138	5.0531	1.3403	0.0127	1.3530			3,008.691 3	0.0537	0.0723	3,031.565 0
<b>Total</b>	<b>1.3050</b>	<b>12.2164</b>	<b>13.1119</b>	<b>0.0770</b>	<b>6.6984</b>	<b>0.0735</b>	<b>6.7719</b>	<b>1.8198</b>	<b>0.0698</b>	<b>1.8895</b>			<b>7,321.451 4</b>	<b>0.1591</b>	<b>0.7157</b>	<b>7,538.696 4</b>

**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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193			341.7189	0.0137	0.0000	342.0617
<b>Total</b>	<b>0.1702</b>	<b>1.0315</b>	<b>2.1004</b>	<b>4.0200e-003</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>			<b>341.7189</b>	<b>0.0137</b>	<b>0.0000</b>	<b>342.0617</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2034**

**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
Vendor	0.2707	11.6920	3.5982	0.0442	1.6591	0.0596	1.7188	0.4795	0.0571	0.5365			4,312.760 1	0.1054	0.6434	4,507.131 4
Worker	1.0343	0.5244	9.5137	0.0328	5.0393	0.0138	5.0531	1.3403	0.0127	1.3530			3,008.691 3	0.0537	0.0723	3,031.565 0
<b>Total</b>	<b>1.3050</b>	<b>12.2164</b>	<b>13.1119</b>	<b>0.0770</b>	<b>6.6984</b>	<b>0.0735</b>	<b>6.7719</b>	<b>1.8198</b>	<b>0.0698</b>	<b>1.8895</b>			<b>7,321.451 4</b>	<b>0.1591</b>	<b>0.7157</b>	<b>7,538.696 4</b>

**3.4 Building Construction - 2035**

**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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118			343.0336	0.0128	0.0000	343.3530
<b>Total</b>	<b>0.1588</b>	<b>0.9346</b>	<b>2.1034</b>	<b>4.0400e-003</b>		<b>0.0118</b>	<b>0.0118</b>		<b>0.0118</b>	<b>0.0118</b>			<b>343.0336</b>	<b>0.0128</b>	<b>0.0000</b>	<b>343.3530</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2035**

**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
Vendor	0.2677	11.6438	3.6047	0.0439	1.6654	0.0591	1.7245	0.4813	0.0565	0.5378			4,280.7634	0.1048	0.6392	4,473.8606
Worker	0.9884	0.5096	9.3351	0.0325	5.0587	0.0131	5.0717	1.3454	0.0120	1.3575			2,978.7979	0.0510	0.0715	3,001.3794
<b>Total</b>	<b>1.2561</b>	<b>12.1533</b>	<b>12.9398</b>	<b>0.0764</b>	<b>6.7241</b>	<b>0.0722</b>	<b>6.7963</b>	<b>1.8267</b>	<b>0.0686</b>	<b>1.8953</b>			<b>7,259.5613</b>	<b>0.1557</b>	<b>0.7107</b>	<b>7,475.2400</b>

**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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118			343.0332	0.0128	0.0000	343.3526
<b>Total</b>	<b>0.1588</b>	<b>0.9346</b>	<b>2.1034</b>	<b>4.0400e-003</b>		<b>0.0118</b>	<b>0.0118</b>		<b>0.0118</b>	<b>0.0118</b>			<b>343.0332</b>	<b>0.0128</b>	<b>0.0000</b>	<b>343.3526</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2035**

**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
Vendor	0.2677	11.6438	3.6047	0.0439	1.6654	0.0591	1.7245	0.4813	0.0565	0.5378			4,280.763 4	0.1048	0.6392	4,473.860 6
Worker	0.9884	0.5096	9.3351	0.0325	5.0587	0.0131	5.0717	1.3454	0.0120	1.3575			2,978.797 9	0.0510	0.0715	3,001.379 4
<b>Total</b>	<b>1.2561</b>	<b>12.1533</b>	<b>12.9398</b>	<b>0.0764</b>	<b>6.7241</b>	<b>0.0722</b>	<b>6.7963</b>	<b>1.8267</b>	<b>0.0686</b>	<b>1.8953</b>			<b>7,259.561 3</b>	<b>0.1557</b>	<b>0.7107</b>	<b>7,475.240 0</b>

**3.4 Building Construction - 2036**

**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	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118			344.3479	0.0128	0.0000	344.6686
<b>Total</b>	<b>0.1594</b>	<b>0.9381</b>	<b>2.1114</b>	<b>4.0600e-003</b>		<b>0.0118</b>	<b>0.0118</b>		<b>0.0118</b>	<b>0.0118</b>			<b>344.3479</b>	<b>0.0128</b>	<b>0.0000</b>	<b>344.6686</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2036**

**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
Vendor	0.2688	11.6884	3.6185	0.0441	1.6718	0.0593	1.7311	0.4832	0.0567	0.5399			4,297.1648	0.1052	0.6416	4,491.0018
Worker	0.9922	0.5115	9.3709	0.0326	5.0780	0.0131	5.0912	1.3506	0.0121	1.3627			2,990.2109	0.0512	0.0718	3,012.8789
<b>Total</b>	<b>1.2609</b>	<b>12.1999</b>	<b>12.9894</b>	<b>0.0767</b>	<b>6.7499</b>	<b>0.0725</b>	<b>6.8223</b>	<b>1.8337</b>	<b>0.0688</b>	<b>1.9026</b>			<b>7,287.3757</b>	<b>0.1563</b>	<b>0.7134</b>	<b>7,503.8807</b>

**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	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118			344.3475	0.0128	0.0000	344.6682
<b>Total</b>	<b>0.1594</b>	<b>0.9381</b>	<b>2.1114</b>	<b>4.0600e-003</b>		<b>0.0118</b>	<b>0.0118</b>		<b>0.0118</b>	<b>0.0118</b>			<b>344.3475</b>	<b>0.0128</b>	<b>0.0000</b>	<b>344.6682</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2036**

**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
Vendor	0.2688	11.6884	3.6185	0.0441	1.6718	0.0593	1.7311	0.4832	0.0567	0.5399			4,297.1648	0.1052	0.6416	4,491.0018
Worker	0.9922	0.5115	9.3709	0.0326	5.0780	0.0131	5.0912	1.3506	0.0121	1.3627			2,990.2109	0.0512	0.0718	3,012.8789
<b>Total</b>	<b>1.2609</b>	<b>12.1999</b>	<b>12.9894</b>	<b>0.0767</b>	<b>6.7499</b>	<b>0.0725</b>	<b>6.8223</b>	<b>1.8337</b>	<b>0.0688</b>	<b>1.9026</b>			<b>7,287.3757</b>	<b>0.1563</b>	<b>0.7134</b>	<b>7,503.8807</b>

**3.4 Building Construction - 2037**

**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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118			343.0336	0.0128	0.0000	343.3530
<b>Total</b>	<b>0.1588</b>	<b>0.9346</b>	<b>2.1034</b>	<b>4.0400e-003</b>		<b>0.0118</b>	<b>0.0118</b>		<b>0.0118</b>	<b>0.0118</b>			<b>343.0336</b>	<b>0.0128</b>	<b>0.0000</b>	<b>343.3530</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2037**

**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
Vendor	0.2677	11.6438	3.6047	0.0439	1.6654	0.0591	1.7245	0.4813	0.0565	0.5378			4,280.763 4	0.1048	0.6392	4,473.860 6
Worker	0.9884	0.5096	9.3351	0.0325	5.0587	0.0131	5.0717	1.3454	0.0120	1.3575			2,978.797 9	0.0510	0.0715	3,001.379 4
<b>Total</b>	<b>1.2561</b>	<b>12.1533</b>	<b>12.9398</b>	<b>0.0764</b>	<b>6.7241</b>	<b>0.0722</b>	<b>6.7963</b>	<b>1.8267</b>	<b>0.0686</b>	<b>1.8953</b>			<b>7,259.561 3</b>	<b>0.1557</b>	<b>0.7107</b>	<b>7,475.240 0</b>

**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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118			343.0332	0.0128	0.0000	343.3526
<b>Total</b>	<b>0.1588</b>	<b>0.9346</b>	<b>2.1034</b>	<b>4.0400e-003</b>		<b>0.0118</b>	<b>0.0118</b>		<b>0.0118</b>	<b>0.0118</b>			<b>343.0332</b>	<b>0.0128</b>	<b>0.0000</b>	<b>343.3526</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2037**

**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
Vendor	0.2677	11.6438	3.6047	0.0439	1.6654	0.0591	1.7245	0.4813	0.0565	0.5378			4,280.7634	0.1048	0.6392	4,473.8606
Worker	0.9884	0.5096	9.3351	0.0325	5.0587	0.0131	5.0717	1.3454	0.0120	1.3575			2,978.7979	0.0510	0.0715	3,001.3794
<b>Total</b>	<b>1.2561</b>	<b>12.1533</b>	<b>12.9398</b>	<b>0.0764</b>	<b>6.7241</b>	<b>0.0722</b>	<b>6.7963</b>	<b>1.8267</b>	<b>0.0686</b>	<b>1.8953</b>			<b>7,259.5613</b>	<b>0.1557</b>	<b>0.7107</b>	<b>7,475.2400</b>

**3.4 Building Construction - 2038**

**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	0.0499	0.2936	0.6608	1.2700e-003		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003			107.7730	4.0100e-003	0.0000	107.8734
<b>Total</b>	<b>0.0499</b>	<b>0.2936</b>	<b>0.6608</b>	<b>1.2700e-003</b>		<b>3.7100e-003</b>	<b>3.7100e-003</b>		<b>3.7100e-003</b>	<b>3.7100e-003</b>			<b>107.7730</b>	<b>4.0100e-003</b>	<b>0.0000</b>	<b>107.8734</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2038**

**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
Vendor	0.0841	3.6582	1.1325	0.0138	0.5232	0.0186	0.5418	0.1512	0.0178	0.1690			1,344.914 2	0.0329	0.2008	1,405.580 7
Worker	0.3105	0.1601	2.9329	0.0102	1.5893	4.1100e-003	1.5934	0.4227	3.7800e-003	0.4265			935.8675	0.0160	0.0225	942.9621
<b>Total</b>	<b>0.3946</b>	<b>3.8183</b>	<b>4.0654</b>	<b>0.0240</b>	<b>2.1126</b>	<b>0.0227</b>	<b>2.1352</b>	<b>0.5739</b>	<b>0.0215</b>	<b>0.5955</b>			<b>2,280.781 7</b>	<b>0.0489</b>	<b>0.2233</b>	<b>2,348.542 8</b>

**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	0.0499	0.2936	0.6608	1.2700e-003		3.7100e-003	3.7100e-003		3.7100e-003	3.7100e-003			107.7729	4.0100e-003	0.0000	107.8732
<b>Total</b>	<b>0.0499</b>	<b>0.2936</b>	<b>0.6608</b>	<b>1.2700e-003</b>		<b>3.7100e-003</b>	<b>3.7100e-003</b>		<b>3.7100e-003</b>	<b>3.7100e-003</b>			<b>107.7729</b>	<b>4.0100e-003</b>	<b>0.0000</b>	<b>107.8732</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.4 Building Construction - 2038**

**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
Vendor	0.0841	3.6582	1.1325	0.0138	0.5232	0.0186	0.5418	0.1512	0.0178	0.1690			1,344.914 2	0.0329	0.2008	1,405.580 7
Worker	0.3105	0.1601	2.9329	0.0102	1.5893	4.1100e-003	1.5934	0.4227	3.7800e-003	0.4265			935.8675	0.0160	0.0225	942.9621
<b>Total</b>	<b>0.3946</b>	<b>3.8183</b>	<b>4.0654</b>	<b>0.0240</b>	<b>2.1126</b>	<b>0.0227</b>	<b>2.1352</b>	<b>0.5739</b>	<b>0.0215</b>	<b>0.5955</b>			<b>2,280.781 7</b>	<b>0.0489</b>	<b>0.2233</b>	<b>2,348.542 8</b>

**3.5 Paving - 2038**

**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	0.1021	0.4364	1.4159	2.5100e-003		0.0168	0.0168		0.0168	0.0168			215.6907	8.3000e-003	0.0000	215.8982
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1021</b>	<b>0.4364</b>	<b>1.4159</b>	<b>2.5100e-003</b>		<b>0.0168</b>	<b>0.0168</b>		<b>0.0168</b>	<b>0.0168</b>			<b>215.6907</b>	<b>8.3000e-003</b>	<b>0.0000</b>	<b>215.8982</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.5 Paving - 2038**

**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
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
Worker	1.9300e-003	9.9000e-004	0.0182	6.0000e-005	9.8600e-003	3.0000e-005	9.8900e-003	2.6200e-003	2.0000e-005	2.6500e-003			5.8060	1.0000e-004	1.4000e-004	5.8500
<b>Total</b>	<b>1.9300e-003</b>	<b>9.9000e-004</b>	<b>0.0182</b>	<b>6.0000e-005</b>	<b>9.8600e-003</b>	<b>3.0000e-005</b>	<b>9.8900e-003</b>	<b>2.6200e-003</b>	<b>2.0000e-005</b>	<b>2.6500e-003</b>			<b>5.8060</b>	<b>1.0000e-004</b>	<b>1.4000e-004</b>	<b>5.8500</b>

**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	0.1021	0.4364	1.4159	2.5100e-003		0.0168	0.0168		0.0168	0.0168			215.6904	8.3000e-003	0.0000	215.8979
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1021</b>	<b>0.4364</b>	<b>1.4159</b>	<b>2.5100e-003</b>		<b>0.0168</b>	<b>0.0168</b>		<b>0.0168</b>	<b>0.0168</b>			<b>215.6904</b>	<b>8.3000e-003</b>	<b>0.0000</b>	<b>215.8979</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.5 Paving - 2038**

**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
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
Worker	1.9300e-003	9.9000e-004	0.0182	6.0000e-005	9.8600e-003	3.0000e-005	9.8900e-003	2.6200e-003	2.0000e-005	2.6500e-003			5.8060	1.0000e-004	1.4000e-004	5.8500
<b>Total</b>	<b>1.9300e-003</b>	<b>9.9000e-004</b>	<b>0.0182</b>	<b>6.0000e-005</b>	<b>9.8600e-003</b>	<b>3.0000e-005</b>	<b>9.8900e-003</b>	<b>2.6200e-003</b>	<b>2.0000e-005</b>	<b>2.6500e-003</b>			<b>5.8060</b>	<b>1.0000e-004</b>	<b>1.4000e-004</b>	<b>5.8500</b>

**3.5 Paving - 2039**

**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	0.0308	0.1317	0.4272	7.6000e-004		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003			65.0687	2.5000e-003	0.0000	65.1313
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0308</b>	<b>0.1317</b>	<b>0.4272</b>	<b>7.6000e-004</b>		<b>5.0600e-003</b>	<b>5.0600e-003</b>		<b>5.0600e-003</b>	<b>5.0600e-003</b>			<b>65.0687</b>	<b>2.5000e-003</b>	<b>0.0000</b>	<b>65.1313</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.5 Paving - 2039**

**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
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
Worker	5.8000e-004	3.0000e-004	5.4900e-003	2.0000e-005	2.9700e-003	1.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004			1.7515	3.0000e-005	4.0000e-005	1.7648
<b>Total</b>	<b>5.8000e-004</b>	<b>3.0000e-004</b>	<b>5.4900e-003</b>	<b>2.0000e-005</b>	<b>2.9700e-003</b>	<b>1.0000e-005</b>	<b>2.9800e-003</b>	<b>7.9000e-004</b>	<b>1.0000e-005</b>	<b>8.0000e-004</b>			<b>1.7515</b>	<b>3.0000e-005</b>	<b>4.0000e-005</b>	<b>1.7648</b>

**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	0.0308	0.1317	0.4272	7.6000e-004		5.0600e-003	5.0600e-003		5.0600e-003	5.0600e-003			65.0686	2.5000e-003	0.0000	65.1312
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0308</b>	<b>0.1317</b>	<b>0.4272</b>	<b>7.6000e-004</b>		<b>5.0600e-003</b>	<b>5.0600e-003</b>		<b>5.0600e-003</b>	<b>5.0600e-003</b>			<b>65.0686</b>	<b>2.5000e-003</b>	<b>0.0000</b>	<b>65.1312</b>

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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 Paving - 2039**

**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
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
Worker	5.8000e-004	3.0000e-004	5.4900e-003	2.0000e-005	2.9700e-003	1.0000e-005	2.9800e-003	7.9000e-004	1.0000e-005	8.0000e-004			1.7515	3.0000e-005	4.0000e-005	1.7648
<b>Total</b>	<b>5.8000e-004</b>	<b>3.0000e-004</b>	<b>5.4900e-003</b>	<b>2.0000e-005</b>	<b>2.9700e-003</b>	<b>1.0000e-005</b>	<b>2.9800e-003</b>	<b>7.9000e-004</b>	<b>1.0000e-005</b>	<b>8.0000e-004</b>			<b>1.7515</b>	<b>3.0000e-005</b>	<b>4.0000e-005</b>	<b>1.7648</b>

**3.6 Architectural Coating - 2040**

**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	19.3834					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0118	0.0749	0.1846	3.1000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004			26.2985	9.3000e-004	0.0000	26.3217
<b>Total</b>	<b>19.3952</b>	<b>0.0749</b>	<b>0.1846</b>	<b>3.1000e-004</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>			<b>26.2985</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>26.3217</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.6 Architectural Coating - 2040**

**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
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
Worker	0.1253	0.0726	1.3606	4.9000e-003	0.7988	1.6200e-003	0.8005	0.2125	1.4900e-003	0.2140			449.2843	6.4300e-003	0.0108	452.6742
<b>Total</b>	<b>0.1253</b>	<b>0.0726</b>	<b>1.3606</b>	<b>4.9000e-003</b>	<b>0.7988</b>	<b>1.6200e-003</b>	<b>0.8005</b>	<b>0.2125</b>	<b>1.4900e-003</b>	<b>0.2140</b>			<b>449.2843</b>	<b>6.4300e-003</b>	<b>0.0108</b>	<b>452.6742</b>

**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	19.3834					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0118	0.0749	0.1846	3.1000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004			26.2985	9.3000e-004	0.0000	26.3216
<b>Total</b>	<b>19.3952</b>	<b>0.0749</b>	<b>0.1846</b>	<b>3.1000e-004</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>			<b>26.2985</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>26.3216</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.6 Architectural Coating - 2040**

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
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
Worker	0.1253	0.0726	1.3606	4.9000e-003	0.7988	1.6200e-003	0.8005	0.2125	1.4900e-003	0.2140			449.2843	6.4300e-003	0.0108	452.6742
<b>Total</b>	<b>0.1253</b>	<b>0.0726</b>	<b>1.3606</b>	<b>4.9000e-003</b>	<b>0.7988</b>	<b>1.6200e-003</b>	<b>0.8005</b>	<b>0.2125</b>	<b>1.4900e-003</b>	<b>0.2140</b>			<b>449.2843</b>	<b>6.4300e-003</b>	<b>0.0108</b>	<b>452.6742</b>

**3.6 Architectural Coating - 2041**

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	2.5405					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.5500e-003	9.8100e-003	0.0242	4.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004			3.4469	1.2000e-004	0.0000	3.4499
<b>Total</b>	<b>2.5421</b>	<b>9.8100e-003</b>	<b>0.0242</b>	<b>4.0000e-005</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>			<b>3.4469</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>3.4499</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.6 Architectural Coating - 2041**

**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
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
Worker	0.0164	9.5200e-003	0.1783	6.4000e-004	0.1047	2.1000e-004	0.1049	0.0279	2.0000e-004	0.0280			58.8868	8.4000e-004	1.4200e-003	59.3311
<b>Total</b>	<b>0.0164</b>	<b>9.5200e-003</b>	<b>0.1783</b>	<b>6.4000e-004</b>	<b>0.1047</b>	<b>2.1000e-004</b>	<b>0.1049</b>	<b>0.0279</b>	<b>2.0000e-004</b>	<b>0.0280</b>			<b>58.8868</b>	<b>8.4000e-004</b>	<b>1.4200e-003</b>	<b>59.3311</b>

**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	2.5405					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.5500e-003	9.8100e-003	0.0242	4.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004			3.4469	1.2000e-004	0.0000	3.4499
<b>Total</b>	<b>2.5421</b>	<b>9.8100e-003</b>	<b>0.0242</b>	<b>4.0000e-005</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>			<b>3.4469</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>3.4499</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

**3.6 Architectural Coating - 2041**

**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
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
Worker	0.0164	9.5200e-003	0.1783	6.4000e-004	0.1047	2.1000e-004	0.1049	0.0279	2.0000e-004	0.0280			58.8868	8.4000e-004	1.4200e-003	59.3311
<b>Total</b>	<b>0.0164</b>	<b>9.5200e-003</b>	<b>0.1783</b>	<b>6.4000e-004</b>	<b>0.1047</b>	<b>2.1000e-004</b>	<b>0.1049</b>	<b>0.0279</b>	<b>2.0000e-004</b>	<b>0.0280</b>			<b>58.8868</b>	<b>8.4000e-004</b>	<b>1.4200e-003</b>	<b>59.3311</b>

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

**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	16.3527	18.7518	160.5573	0.3343	47.2607	0.1734	47.4341	12.6194	0.1620	12.7814			31,019.9253	2.2095	1.6093	31,554.7343
Unmitigated	16.3527	18.7518	160.5573	0.3343	47.2607	0.1734	47.4341	12.6194	0.1620	12.7814			31,019.9253	2.2095	1.6093	31,554.7343

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	89.70	69.00	251.85	202,773	202,773
General Office Building	73,186.36	1,502.80	5259.80	109,950,383	109,950,383
Apartments Mid Rise	5,032.00	1,942.50	3783.25	11,322,314	11,322,314
Single Family Housing	2,709.28	1,205.40	2453.85	6,307,368	6,307,368
<b>Total</b>	<b>81,017.34</b>	<b>4,719.70</b>	<b>11,748.75</b>	<b>127,782,838</b>	<b>127,782,838</b>

**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	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4
Apartments Mid Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

**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 Not Applied**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.572323	0.055898	0.181183	0.117504	0.017913	0.005011	0.012759	0.009244	0.000656	0.000766	0.023903	0.000662	0.002180
General Office Building	0.572323	0.055898	0.181183	0.117504	0.017913	0.005011	0.012759	0.009244	0.000656	0.000766	0.023903	0.000662	0.002180
Apartments Mid Rise	0.572323	0.055898	0.181183	0.117504	0.017913	0.005011	0.012759	0.009244	0.000656	0.000766	0.023903	0.000662	0.002180
Single Family Housing	0.572323	0.055898	0.181183	0.117504	0.017913	0.005011	0.012759	0.009244	0.000656	0.000766	0.023903	0.000662	0.002180

**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			2,633.4530	0.4626	0.0712	2,666.2288
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000			2,633.4530	0.4626	0.0712	2,666.2288
NaturalGas Mitigated	0.7440	6.7181	5.3471	0.0406		0.5140	0.5140		0.5140	0.5140			7,363.0471	0.1411	0.1350	7,406.8020
NaturalGas Unmitigated	0.7440	6.7181	5.3471	0.0406		0.5140	0.5140		0.5140	0.5140			7,363.0471	0.1411	0.1350	7,406.8020

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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					
Apartments Mid Rise	8.71001e+006	0.0470	0.4013	0.1708	2.5600e-003		0.0325	0.0325		0.0325	0.0325			464.7995	8.9100e-003	8.5200e-003	467.5615
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
General Office Building	1.22478e+008	0.6604	6.0038	5.0432	0.0360		0.4563	0.4563		0.4563	0.4563			6,535.9032	0.1253	0.1198	6,574.7428
Single Family Housing	6.79008e+006	0.0366	0.3129	0.1331	2.0000e-003		0.0253	0.0253		0.0253	0.0253			362.3445	6.9400e-003	6.6400e-003	364.4977
<b>Total</b>		<b>0.7440</b>	<b>6.7181</b>	<b>5.3471</b>	<b>0.0406</b>		<b>0.5140</b>	<b>0.5140</b>		<b>0.5140</b>	<b>0.5140</b>			<b>7,363.0471</b>	<b>0.1411</b>	<b>0.1350</b>	<b>7,406.8020</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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					
Apartments Mid Rise	8.71001e+006	0.0470	0.4013	0.1708	2.5600e-003		0.0325	0.0325		0.0325	0.0325			464.7995	8.9100e-003	8.5200e-003	467.5615
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
General Office Building	1.22478e+008	0.6604	6.0038	5.0432	0.0360		0.4563	0.4563		0.4563	0.4563			6,535.9032	0.1253	0.1198	6,574.7428
Single Family Housing	6.79008e+006	0.0366	0.3129	0.1331	2.0000e-003		0.0253	0.0253		0.0253	0.0253			362.3445	6.9400e-003	6.6400e-003	364.4977
<b>Total</b>		<b>0.7440</b>	<b>6.7181</b>	<b>5.3471</b>	<b>0.0406</b>		<b>0.5140</b>	<b>0.5140</b>		<b>0.5140</b>	<b>0.5140</b>			<b>7,363.0471</b>	<b>0.1411</b>	<b>0.1350</b>	<b>7,406.8020</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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			
Apartments Mid Rise	3.60169e+006	120.8938	0.0212	3.2700e-003	122.3984
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	7.25852e+007	2,436.3842	0.4280	0.0659	2,466.7073
Single Family Housing	2.26942e+006	76.1750	0.0134	2.0600e-003	77.1231
<b>Total</b>		<b>2,633.4530</b>	<b>0.4626</b>	<b>0.0712</b>	<b>2,666.2288</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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			
Apartments Mid Rise	3.60169e+006	120.8938	0.0212	3.2700e-003	122.3984
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	7.25852e+007	2,436.3842	0.4280	0.0659	2,466.7073
Single Family Housing	2.26942e+006	76.1750	0.0134	2.0600e-003	77.1231
<b>Total</b>		<b>2,633.4530</b>	<b>0.4626</b>	<b>0.0712</b>	<b>2,666.2288</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

**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	39.7890	0.1445	12.5408	6.7000e-004		0.0697	0.0697		0.0697	0.0697			20.6061	0.0199	0.0000	21.1042
Unmitigated	39.7890	0.1445	12.5408	6.7000e-004		0.0697	0.0697		0.0697	0.0697			20.6061	0.0199	0.0000	21.1042

**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	4.3848					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	35.0232					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.3810	0.1445	12.5408	6.7000e-004		0.0697	0.0697		0.0697	0.0697			20.6061	0.0199	0.0000	21.1042
<b>Total</b>	<b>39.7890</b>	<b>0.1445</b>	<b>12.5408</b>	<b>6.7000e-004</b>		<b>0.0697</b>	<b>0.0697</b>		<b>0.0697</b>	<b>0.0697</b>			<b>20.6061</b>	<b>0.0199</b>	<b>0.0000</b>	<b>21.1042</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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	4.3848					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	35.0232					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.3810	0.1445	12.5408	6.7000e-004		0.0697	0.0697		0.0697	0.0697			20.6061	0.0199	0.0000	21.1042
<b>Total</b>	<b>39.7890</b>	<b>0.1445</b>	<b>12.5408</b>	<b>6.7000e-004</b>		<b>0.0697</b>	<b>0.0697</b>		<b>0.0697</b>	<b>0.0697</b>			<b>20.6061</b>	<b>0.0199</b>	<b>0.0000</b>	<b>21.1042</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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	855.1054	1.7848	1.0979	1,226.8907
Unmitigated	855.1054	1.7848	1.0979	1,226.8907

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	60.2675 / 37.9947	35.8658	0.0760	0.0468	51.6998
City Park	0 / 137.02	16.0972	2.8300e-003	4.4000e-004	16.2976
General Office Building	1335.49 / 818.527	792.0143	1.6824	1.0362	1,142.8524
Single Family Housing	18.6992 / 11.7886	11.1281	0.0236	0.0145	16.0409
<b>Total</b>		<b>855.1054</b>	<b>1.7848</b>	<b>1.0979</b>	<b>1,226.8907</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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			
Apartments Mid Rise	60.2675 / 37.9947	35.8658	0.0760	0.0468	51.6998
City Park	0 / 137.02	16.0972	2.8300e-003	4.4000e-004	16.2976
General Office Building	1335.49 / 818.527	792.0143	1.6824	1.0362	1,142.8524
Single Family Housing	18.6992 / 11.7886	11.1281	0.0236	0.0145	16.0409
<b>Total</b>		<b>855.1054</b>	<b>1.7848</b>	<b>1.0979</b>	<b>1,226.8907</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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	1,562.861 9	92.3625	0.0000	3,871.924 3
Unmitigated	1,562.861 9	92.3625	0.0000	3,871.924 3

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	425.5	86.3727	5.1045	0.0000	213.9846
City Park	9.89	2.0076	0.1186	0.0000	4.9737
General Office Building	6988.02	1,418.504 9	83.8312	0.0000	3,514.285 9
Single Family Housing	275.76	55.9768	3.3081	0.0000	138.6801
<b>Total</b>		<b>1,562.861 9</b>	<b>92.3625</b>	<b>0.0000</b>	<b>3,871.924 3</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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			
Apartments Mid Rise	425.5	86.3727	5.1045	0.0000	213.9846
City Park	9.89	2.0076	0.1186	0.0000	4.9737
General Office Building	6988.02	1,418.5049	83.8312	0.0000	3,514.2859
Single Family Housing	275.76	55.9768	3.3081	0.0000	138.6801
<b>Total</b>		<b>1,562.8619</b>	<b>92.3625</b>	<b>0.0000</b>	<b>3,871.9243</b>

**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Annual

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

Equipment Type	Number
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**11.0 Vegetation**

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Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**Elk Grove LEA Community Plan Construction + Operation Emissions  
Sacramento County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	925.00	Dwelling Unit	287.00	925,000.00	2470
City Park	115.00	Acre	115.00	5,009,400.00	0
General Office Building	7,514.00	1000sqft	172.50	7,514,000.00	0
Single Family Housing	287.00	Dwelling Unit	575.00	516,600.00	766

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	2			<b>Operational Year</b>	2040
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	74	<b>CH4 Intensity (lb/MWhr)</b>	0.013	<b>N2O Intensity (lb/MWhr)</b>	0.002

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics - Emissions estimates for Elk Grove LEA Community Update. Forecasted EFs for SMUD for 2040 override

Land Use - 1,150 acres parcel of single family home, multi family homes, commercial, and open space

Construction Phase - Construction to occur from 2024-2040. CalEEMod default ratios utilized.

Off-road Equipment - CalEEMod Defaults Used

Trips and VMT - No project specific information available

Demolition - No project specific information available

Grading - No project specific information available

Architectural Coating - Consistent with SMAQMD's Rule 422

Vehicle Trips - Values adjusted to adhere to VMT Study

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

Energy Use - Adjusted to reflect consistency with 2019 California Energy Code

Water And Wastewater - Defaults used

Solid Waste - Defaults Used

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	50.00
tblConstructionPhase	NumDays	6,000.00	127.00
tblConstructionPhase	NumDays	15,500.00	328.00
tblConstructionPhase	NumDays	155,000.00	3,282.00
tblConstructionPhase	NumDays	11,000.00	233.00
tblConstructionPhase	NumDays	11,000.00	233.00
tblConstructionPhase	PhaseEndDate	12/28/2046	6/25/2024
tblConstructionPhase	PhaseEndDate	5/28/2106	9/25/2025
tblConstructionPhase	PhaseEndDate	7/13/2700	4/26/2038
tblConstructionPhase	PhaseEndDate	9/11/2742	3/17/2039
tblConstructionPhase	PhaseEndDate	11/9/2784	2/6/2041
tblConstructionPhase	PhaseStartDate	12/29/2046	6/25/2024
tblConstructionPhase	PhaseStartDate	5/29/2106	9/26/2025
tblConstructionPhase	PhaseStartDate	7/14/2700	4/27/2038
tblConstructionPhase	PhaseStartDate	9/12/2742	3/18/2040
tblGrading	AcresOfGrading	984.00	46,500.00
tblGrading	AcresOfGrading	190.50	9,000.00
tblLandUse	LotAcreage	24.34	287.00
tblLandUse	LotAcreage	93.18	575.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.013

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

tblProjectCharacteristics	CO2IntensityFactor	357.98	74
tblProjectCharacteristics	N2OIntensityFactor	0.004	0.002
tblVehicleTrips	ST_TR	1.96	0.60
tblVehicleTrips	ST_TR	2.21	0.20
tblVehicleTrips	ST_TR	4.91	2.10
tblVehicleTrips	ST_TR	9.54	4.20

**2.0 Emissions Summary**

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**2.1 Overall Construction (Maximum Daily Emission)**

Unmitigated Construction

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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
Year	lb/day										lb/day					
2024	5.9985	59.6077	47.0156	0.1027	249.8763	2.5662	252.4425	37.6662	2.3609	40.0271			9,956.0648	3.1432	6.1800e-003	10,036.4849
2025	19.6307	116.3047	169.6785	0.7691	156.5196	1.2595	157.6512	19.5844	1.1897	20.6254			80,073.8707	2.4930	7.1118	82,255.5030
2026	18.6379	113.6915	161.4933	0.7500	53.2915	1.2371	54.5286	14.4323	1.1686	15.6009			78,105.4604	2.3941	6.9509	80,236.6832
2027	17.7258	111.3477	154.5204	0.7315	53.2902	1.2150	54.5052	14.4319	1.1477	15.5796			76,194.0623	2.3023	6.7908	78,275.2697
2028	16.8971	109.3993	148.7336	0.7146	53.2891	1.1937	54.4828	14.4315	1.1278	15.5592			74,439.4587	2.2265	6.6433	76,474.8348
2029	16.0916	107.6231	143.7377	0.6991	53.2881	1.1732	54.4613	14.4311	1.1085	15.5396			72,832.1095	2.1592	6.5076	74,825.3622
2030	15.2599	101.4846	139.6073	0.6891	53.2872	0.7740	54.0612	14.4308	0.7418	15.1726			71,718.6134	1.6161	6.3851	73,661.7799
2031	14.5250	100.1049	135.9976	0.6766	53.2864	0.7560	54.0424	14.4305	0.7249	15.1554			70,422.9182	1.5618	6.2769	72,332.4778
2032	13.8470	98.9310	132.9453	0.6656	53.2858	0.7400	54.0257	14.4303	0.7099	15.1401			69,280.7861	1.5143	6.1831	71,161.1959
2033	13.2630	97.9493	130.3661	0.6560	53.2852	0.7259	54.0110	14.4300	0.6967	15.1267			68,273.7513	1.4734	6.1013	70,128.7856
2034	12.7191	97.0261	128.0838	0.6473	53.2846	0.7124	53.9970	14.4298	0.6840	15.1139			67,371.4529	1.4353	6.0275	69,203.5374
2035	12.1286	95.4530	126.0915	0.6397	53.2841	0.6426	53.9268	14.4297	0.6150	15.0447			66,577.7514	1.3952	5.9628	68,389.5289
2036	12.1286	95.4530	126.0915	0.6397	53.2841	0.6426	53.9268	14.4297	0.6150	15.0447			66,577.7514	1.3952	5.9628	68,389.5289
2037	12.1286	95.4530	126.0915	0.6397	53.2841	0.6426	53.9268	14.4297	0.6150	15.0447			66,577.7514	1.3952	5.9628	68,389.5289
2038	12.1286	95.4530	126.0915	0.6397	53.2841	0.6426	53.9268	14.4297	0.6150	15.0447			66,577.7514	1.3952	5.9628	68,389.5289
2039	1.1655	4.8863	16.0557	0.0288	0.1141	0.1877	0.3018	0.0303	0.1877	0.2179			2,734.8071	0.1034	1.6200e-003	2,737.8743
2040	189.6894	1.3744	17.0972	0.0551	8.0330	0.0232	8.0562	2.1308	0.0219	2.1527			5,546.2619	0.0737	0.1095	5,580.7391
2041	189.6894	1.3744	17.0972	0.0551	8.0330	0.0232	8.0562	2.1308	0.0219	2.1527			5,546.2619	0.0737	0.1095	5,580.7391
<b>Maximum</b>	<b>189.6894</b>	<b>116.3047</b>	<b>169.6785</b>	<b>0.7691</b>	<b>249.8763</b>	<b>2.5662</b>	<b>252.4425</b>	<b>37.6662</b>	<b>2.3609</b>	<b>40.0271</b>			<b>80,073.8707</b>	<b>3.1432</b>	<b>7.1118</b>	<b>82,255.5030</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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)**

**Mitigated Construction**

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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
Year	lb/day										lb/day					
2024	5.9985	59.6077	47.0156	0.1027	249.8763	2.5662	252.4425	37.6662	2.3609	40.0271			9,956.0648	3.1432	6.1800e-003	10,036.4849
2025	19.6307	116.3047	169.6785	0.7691	156.5196	1.2595	157.6512	19.5844	1.1897	20.6254			80,073.8707	2.4930	7.1118	82,255.5030
2026	18.6379	113.6915	161.4933	0.7500	53.2915	1.2371	54.5286	14.4323	1.1686	15.6009			78,105.4604	2.3941	6.9509	80,236.6832
2027	17.7258	111.3477	154.5204	0.7315	53.2902	1.2150	54.5052	14.4319	1.1477	15.5796			76,194.0623	2.3023	6.7908	78,275.2697
2028	16.8971	109.3993	148.7336	0.7146	53.2891	1.1937	54.4828	14.4315	1.1278	15.5592			74,439.4587	2.2265	6.6433	76,474.8348
2029	16.0916	107.6231	143.7377	0.6991	53.2881	1.1732	54.4613	14.4311	1.1085	15.5396			72,832.1095	2.1592	6.5076	74,825.3622
2030	15.2599	101.4846	139.6073	0.6891	53.2872	0.7740	54.0612	14.4308	0.7418	15.1726			71,718.6134	1.6161	6.3851	73,661.7799
2031	14.5250	100.1049	135.9976	0.6766	53.2864	0.7560	54.0424	14.4305	0.7249	15.1554			70,422.9182	1.5618	6.2769	72,332.4778
2032	13.8470	98.9310	132.9453	0.6656	53.2858	0.7400	54.0257	14.4303	0.7099	15.1401			69,280.7861	1.5143	6.1831	71,161.1959
2033	13.2630	97.9493	130.3661	0.6560	53.2852	0.7259	54.0110	14.4300	0.6967	15.1267			68,273.7513	1.4734	6.1013	70,128.7856
2034	12.7191	97.0261	128.0838	0.6473	53.2846	0.7124	53.9970	14.4298	0.6840	15.1139			67,371.4529	1.4353	6.0275	69,203.5374
2035	12.1286	95.4530	126.0915	0.6397	53.2841	0.6426	53.9268	14.4297	0.6150	15.0447			66,577.7514	1.3952	5.9628	68,389.5289
2036	12.1286	95.4530	126.0915	0.6397	53.2841	0.6426	53.9268	14.4297	0.6150	15.0447			66,577.7514	1.3952	5.9628	68,389.5289
2037	12.1286	95.4530	126.0915	0.6397	53.2841	0.6426	53.9268	14.4297	0.6150	15.0447			66,577.7514	1.3952	5.9628	68,389.5289
2038	12.1286	95.4530	126.0915	0.6397	53.2841	0.6426	53.9268	14.4297	0.6150	15.0447			66,577.7514	1.3952	5.9628	68,389.5289
2039	1.1655	4.8863	16.0557	0.0288	0.1141	0.1877	0.3018	0.0303	0.1877	0.2179			2,734.8071	0.1034	1.6200e-003	2,737.8743
2040	189.6894	1.3744	17.0972	0.0551	8.0330	0.0232	8.0562	2.1308	0.0219	2.1527			5,546.2619	0.0737	0.1095	5,580.7391
2041	189.6894	1.3744	17.0972	0.0551	8.0330	0.0232	8.0562	2.1308	0.0219	2.1527			5,546.2619	0.0737	0.1095	5,580.7391
<b>Maximum</b>	<b>189.6894</b>	<b>116.3047</b>	<b>169.6785</b>	<b>0.7691</b>	<b>249.8763</b>	<b>2.5662</b>	<b>252.4425</b>	<b>37.6662</b>	<b>2.3609</b>	<b>40.0271</b>			<b>80,073.8707</b>	<b>3.1432</b>	<b>7.1118</b>	<b>82,255.5030</b>



Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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**

**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	218.9825	1.1561	100.3262	5.3400e-003		0.5573	0.5573		0.5573	0.5573			181.7150	0.1757	0.0000	186.1069
Energy	4.0767	36.8113	29.2994	0.2224		2.8166	2.8166		2.8166	2.8166			44,473.2607	0.8524	0.8153	44,737.5430
Mobile	151.9934	127.3990	1,253.8957	2.6502	360.8178	1.2802	362.0980	96.0774	1.1963	97.2737			270,858.5825	17.2992	12.5826	275,040.6699
<b>Total</b>	<b>375.0526</b>	<b>165.3663</b>	<b>1,383.5213</b>	<b>2.8779</b>	<b>360.8178</b>	<b>4.6541</b>	<b>365.4718</b>	<b>96.0774</b>	<b>4.5702</b>	<b>100.6476</b>			<b>315,513.5582</b>	<b>18.3273</b>	<b>13.3979</b>	<b>319,964.3198</b>

**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	218.9825	1.1561	100.3262	5.3400e-003		0.5573	0.5573		0.5573	0.5573			181.7150	0.1757	0.0000	186.1069
Energy	4.0767	36.8113	29.2994	0.2224		2.8166	2.8166		2.8166	2.8166			44,473.2607	0.8524	0.8153	44,737.5430
Mobile	151.9934	127.3990	1,253.8957	2.6502	360.8178	1.2802	362.0980	96.0774	1.1963	97.2737			270,858.5825	17.2992	12.5826	275,040.6699
<b>Total</b>	<b>375.0526</b>	<b>165.3663</b>	<b>1,383.5213</b>	<b>2.8779</b>	<b>360.8178</b>	<b>4.6541</b>	<b>365.4718</b>	<b>96.0774</b>	<b>4.5702</b>	<b>100.6476</b>			<b>315,513.5582</b>	<b>18.3273</b>	<b>13.3979</b>	<b>319,964.3198</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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	0.00	0.00	0.00	0.00	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	1/1/2024	6/25/2024	5	127	
2	Grading	Grading	6/25/2024	9/25/2025	5	328	
3	Building Construction	Building Construction	9/26/2025	4/26/2038	5	3282	
4	Paving	Paving	4/27/2038	3/17/2039	5	233	
5	Architectural Coating	Architectural Coating	3/18/2040	2/6/2041	5	233	

**Acres of Grading (Site Preparation Phase): 9000**

**Acres of Grading (Grading Phase): 46500**

**Acres of Paving: 0**

**Residential Indoor: 2,919,240; Residential Outdoor: 973,080; Non-Residential Indoor: 11,271,000; Non-Residential Outdoor: 3,757,000; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

Grading	Tractors/Loaders/Backhoes	2	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
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**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	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	5,278.00	2,182.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1,056.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.2 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					93.2198	0.0000	93.2198	18.0455	0.0000	18.0455			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310			3,688.0100	1.1928		3,717.8294
<b>Total</b>	<b>2.6609</b>	<b>27.1760</b>	<b>18.3356</b>	<b>0.0381</b>	<b>93.2198</b>	<b>1.2294</b>	<b>94.4492</b>	<b>18.0455</b>	<b>1.1310</b>	<b>19.1765</b>			<b>3,688.0100</b>	<b>1.1928</b>		<b>3,717.8294</b>

**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
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
Worker	0.0566	0.0259	0.4534	1.2100e-003	0.1369	6.7000e-004	0.1376	0.0363	6.2000e-004	0.0369			122.3556	3.1800e-003	2.9300e-003	123.3071
<b>Total</b>	<b>0.0566</b>	<b>0.0259</b>	<b>0.4534</b>	<b>1.2100e-003</b>	<b>0.1369</b>	<b>6.7000e-004</b>	<b>0.1376</b>	<b>0.0363</b>	<b>6.2000e-004</b>	<b>0.0369</b>			<b>122.3556</b>	<b>3.1800e-003</b>	<b>2.9300e-003</b>	<b>123.3071</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.2 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					93.2198	0.0000	93.2198	18.0455	0.0000	18.0455			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310			3,688.0100	1.1928		3,717.8294
<b>Total</b>	<b>2.6609</b>	<b>27.1760</b>	<b>18.3356</b>	<b>0.0381</b>	<b>93.2198</b>	<b>1.2294</b>	<b>94.4492</b>	<b>18.0455</b>	<b>1.1310</b>	<b>19.1765</b>			<b>3,688.0100</b>	<b>1.1928</b>		<b>3,717.8294</b>

**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
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
Worker	0.0566	0.0259	0.4534	1.2100e-003	0.1369	6.7000e-004	0.1376	0.0363	6.2000e-004	0.0369			122.3556	3.1800e-003	2.9300e-003	123.3071
<b>Total</b>	<b>0.0566</b>	<b>0.0259</b>	<b>0.4534</b>	<b>1.2100e-003</b>	<b>0.1369</b>	<b>6.7000e-004</b>	<b>0.1376</b>	<b>0.0363</b>	<b>6.2000e-004</b>	<b>0.0369</b>			<b>122.3556</b>	<b>3.1800e-003</b>	<b>2.9300e-003</b>	<b>123.3071</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.3 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					156.3674	0.0000	156.3674	19.5440	0.0000	19.5440			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286			6,009.7487	1.9437		6,058.3405
<b>Total</b>	<b>3.2181</b>	<b>32.3770</b>	<b>27.7228</b>	<b>0.0621</b>	<b>156.3674</b>	<b>1.3354</b>	<b>157.7028</b>	<b>19.5440</b>	<b>1.2286</b>	<b>20.7726</b>			<b>6,009.7487</b>	<b>1.9437</b>		<b>6,058.3405</b>

**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
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
Worker	0.0629	0.0288	0.5038	1.3500e-003	0.1521	7.4000e-004	0.1529	0.0404	6.8000e-004	0.0410			135.9506	3.5300e-003	3.2500e-003	137.0079
<b>Total</b>	<b>0.0629</b>	<b>0.0288</b>	<b>0.5038</b>	<b>1.3500e-003</b>	<b>0.1521</b>	<b>7.4000e-004</b>	<b>0.1529</b>	<b>0.0404</b>	<b>6.8000e-004</b>	<b>0.0410</b>			<b>135.9506</b>	<b>3.5300e-003</b>	<b>3.2500e-003</b>	<b>137.0079</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.3 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					156.3674	0.0000	156.3674	19.5440	0.0000	19.5440			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286			6,009.7487	1.9437		6,058.3405
<b>Total</b>	<b>3.2181</b>	<b>32.3770</b>	<b>27.7228</b>	<b>0.0621</b>	<b>156.3674</b>	<b>1.3354</b>	<b>157.7028</b>	<b>19.5440</b>	<b>1.2286</b>	<b>20.7726</b>			<b>6,009.7487</b>	<b>1.9437</b>		<b>6,058.3405</b>

**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
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
Worker	0.0629	0.0288	0.5038	1.3500e-003	0.1521	7.4000e-004	0.1529	0.0404	6.8000e-004	0.0410			135.9506	3.5300e-003	3.2500e-003	137.0079
<b>Total</b>	<b>0.0629</b>	<b>0.0288</b>	<b>0.5038</b>	<b>1.3500e-003</b>	<b>0.1521</b>	<b>7.4000e-004</b>	<b>0.1529</b>	<b>0.0404</b>	<b>6.8000e-004</b>	<b>0.0410</b>			<b>135.9506</b>	<b>3.5300e-003</b>	<b>3.2500e-003</b>	<b>137.0079</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.3 Grading - 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					
Fugitive Dust					156.3674	0.0000	156.3674	19.5440	0.0000	19.5440			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404			6,008.2814	1.9432		6,056.8614
<b>Total</b>	<b>2.9012</b>	<b>27.9429</b>	<b>26.3311</b>	<b>0.0621</b>	<b>156.3674</b>	<b>1.1309</b>	<b>157.4983</b>	<b>19.5440</b>	<b>1.0404</b>	<b>20.5844</b>			<b>6,008.2814</b>	<b>1.9432</b>		<b>6,056.8614</b>

**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
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
Worker	0.0590	0.0259	0.4693	1.3000e-003	0.1521	7.1000e-004	0.1529	0.0404	6.5000e-004	0.0410			131.3270	3.1900e-003	3.0400e-003	132.3130
<b>Total</b>	<b>0.0590</b>	<b>0.0259</b>	<b>0.4693</b>	<b>1.3000e-003</b>	<b>0.1521</b>	<b>7.1000e-004</b>	<b>0.1529</b>	<b>0.0404</b>	<b>6.5000e-004</b>	<b>0.0410</b>			<b>131.3270</b>	<b>3.1900e-003</b>	<b>3.0400e-003</b>	<b>132.3130</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.3 Grading - 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					
Fugitive Dust					156.3674	0.0000	156.3674	19.5440	0.0000	19.5440			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404			6,008.2814	1.9432		6,056.8614
<b>Total</b>	<b>2.9012</b>	<b>27.9429</b>	<b>26.3311</b>	<b>0.0621</b>	<b>156.3674</b>	<b>1.1309</b>	<b>157.4983</b>	<b>19.5440</b>	<b>1.0404</b>	<b>20.5844</b>			<b>6,008.2814</b>	<b>1.9432</b>		<b>6,056.8614</b>

**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
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
Worker	0.0590	0.0259	0.4693	1.3000e-003	0.1521	7.1000e-004	0.1529	0.0404	6.5000e-004	0.0410			131.3270	3.1900e-003	3.0400e-003	132.3130
<b>Total</b>	<b>0.0590</b>	<b>0.0259</b>	<b>0.4693</b>	<b>1.3000e-003</b>	<b>0.1521</b>	<b>7.1000e-004</b>	<b>0.1529</b>	<b>0.0404</b>	<b>6.5000e-004</b>	<b>0.0410</b>			<b>131.3270</b>	<b>3.1900e-003</b>	<b>3.0400e-003</b>	<b>132.3130</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 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	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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
Vendor	2.6925	97.0132	29.7517	0.3993	13.1430	0.5449	13.6879	3.7827	0.5212	4.3039			42,860.21 20	1.0490	6.3093	44,766.59 76
Worker	15.5708	6.8218	123.8421	0.3429	40.1497	0.1871	40.3368	10.6501	0.1722	10.8223			34,657.18 44	0.8430	0.8025	34,917.40 73
<b>Total</b>	<b>18.2633</b>	<b>103.8350</b>	<b>153.5938</b>	<b>0.7421</b>	<b>53.2927</b>	<b>0.7319</b>	<b>54.0247</b>	<b>14.4328</b>	<b>0.6934</b>	<b>15.1262</b>			<b>77,517.39 64</b>	<b>1.8920</b>	<b>7.1118</b>	<b>79,684.00 49</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963			2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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
Vendor	2.6925	97.0132	29.7517	0.3993	13.1430	0.5449	13.6879	3.7827	0.5212	4.3039			42,860.21 20	1.0490	6.3093	44,766.59 76
Worker	15.5708	6.8218	123.8421	0.3429	40.1497	0.1871	40.3368	10.6501	0.1722	10.8223			34,657.18 44	0.8430	0.8025	34,917.40 73
<b>Total</b>	<b>18.2633</b>	<b>103.8350</b>	<b>153.5938</b>	<b>0.7421</b>	<b>53.2927</b>	<b>0.7319</b>	<b>54.0247</b>	<b>14.4328</b>	<b>0.6934</b>	<b>15.1262</b>			<b>77,517.39 64</b>	<b>1.8920</b>	<b>7.1118</b>	<b>79,684.00 49</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 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	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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
Vendor	2.5987	95.0390	29.1650	0.3911	13.1417	0.5315	13.6732	3.7822	0.5084	4.2906			41,995.90 77	1.0259	6.1946	43,867.54 14
Worker	14.6718	6.1828	116.2436	0.3320	40.1497	0.1781	40.3278	10.6501	0.1639	10.8140			33,553.07 84	0.7673	0.7563	33,797.64 38
<b>Total</b>	<b>17.2705</b>	<b>101.2218</b>	<b>145.4086</b>	<b>0.7230</b>	<b>53.2915</b>	<b>0.7096</b>	<b>54.0010</b>	<b>14.4323</b>	<b>0.6723</b>	<b>15.1046</b>			<b>75,548.98 60</b>	<b>1.7931</b>	<b>6.9509</b>	<b>77,665.18 52</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963			2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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
Vendor	2.5987	95.0390	29.1650	0.3911	13.1417	0.5315	13.6732	3.7822	0.5084	4.2906			41,995.90 77	1.0259	6.1946	43,867.54 14
Worker	14.6718	6.1828	116.2436	0.3320	40.1497	0.1781	40.3278	10.6501	0.1639	10.8140			33,553.07 84	0.7673	0.7563	33,797.64 38
<b>Total</b>	<b>17.2705</b>	<b>101.2218</b>	<b>145.4086</b>	<b>0.7230</b>	<b>53.2915</b>	<b>0.7096</b>	<b>54.0010</b>	<b>14.4323</b>	<b>0.6723</b>	<b>15.1046</b>			<b>75,548.98 60</b>	<b>1.7931</b>	<b>6.9509</b>	<b>77,665.18 52</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2027**

**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			2,556.4744	0.6010		2,571.4981
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.4744</b>	<b>0.6010</b>		<b>2,571.4981</b>

**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
Vendor	2.5153	93.2298	28.6658	0.3826	13.1405	0.5193	13.6598	3.7818	0.4967	4.2785			41,093.8571	0.9996	6.0732	42,928.6568
Worker	13.8431	5.6482	109.7699	0.3220	40.1497	0.1681	40.3178	10.6501	0.1548	10.8048			32,543.7308	0.7017	0.7176	32,775.1149
<b>Total</b>	<b>16.3584</b>	<b>98.8780</b>	<b>138.4357</b>	<b>0.7046</b>	<b>53.2902</b>	<b>0.6874</b>	<b>53.9776</b>	<b>14.4319</b>	<b>0.6515</b>	<b>15.0834</b>			<b>73,637.5879</b>	<b>1.7014</b>	<b>6.7908</b>	<b>75,703.7716</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2027**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963			2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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
Vendor	2.5153	93.2298	28.6658	0.3826	13.1405	0.5193	13.6598	3.7818	0.4967	4.2785			41,093.85 71	0.9996	6.0732	42,928.65 68
Worker	13.8431	5.6482	109.7699	0.3220	40.1497	0.1681	40.3178	10.6501	0.1548	10.8048			32,543.73 08	0.7017	0.7176	32,775.11 49
<b>Total</b>	<b>16.3584</b>	<b>98.8780</b>	<b>138.4357</b>	<b>0.7046</b>	<b>53.2902</b>	<b>0.6874</b>	<b>53.9776</b>	<b>14.4319</b>	<b>0.6515</b>	<b>15.0834</b>			<b>73,637.58 79</b>	<b>1.7014</b>	<b>6.7908</b>	<b>75,703.77 16</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2028**

**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	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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
Vendor	2.4419	91.7226	28.2673	0.3747	13.1394	0.5085	13.6479	3.7814	0.4864	4.2678			40,248.54 65	0.9801	5.9579	42,048.50 24
Worker	13.0878	5.2070	104.3817	0.3130	40.1497	0.1577	40.3074	10.6501	0.1451	10.7952			31,634.43 78	0.6455	0.6854	31,854.83 43
<b>Total</b>	<b>15.5297</b>	<b>96.9296</b>	<b>132.6489</b>	<b>0.6876</b>	<b>53.2891</b>	<b>0.6661</b>	<b>53.9553</b>	<b>14.4315</b>	<b>0.6315</b>	<b>15.0630</b>			<b>71,882.98 43</b>	<b>1.6256</b>	<b>6.6433</b>	<b>73,903.33 67</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2028**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963			2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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
Vendor	2.4419	91.7226	28.2673	0.3747	13.1394	0.5085	13.6479	3.7814	0.4864	4.2678			40,248.54 65	0.9801	5.9579	42,048.50 24
Worker	13.0878	5.2070	104.3817	0.3130	40.1497	0.1577	40.3074	10.6501	0.1451	10.7952			31,634.43 78	0.6455	0.6854	31,854.83 43
<b>Total</b>	<b>15.5297</b>	<b>96.9296</b>	<b>132.6489</b>	<b>0.6876</b>	<b>53.2891</b>	<b>0.6661</b>	<b>53.9553</b>	<b>14.4315</b>	<b>0.6315</b>	<b>15.0630</b>			<b>71,882.98 43</b>	<b>1.6256</b>	<b>6.6433</b>	<b>73,903.33 67</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2029**

**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	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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
Vendor	2.3738	90.3199	27.9221	0.3672	13.1384	0.4981	13.6365	3.7810	0.4765	4.2575			39,457.49 33	0.9622	5.8492	41,224.62 03
Worker	12.3503	4.8335	99.7309	0.3049	40.1497	0.1476	40.2973	10.6501	0.1358	10.7859			30,818.14 19	0.5960	0.6584	31,029.24 38
<b>Total</b>	<b>14.7242</b>	<b>95.1534</b>	<b>127.6531</b>	<b>0.6721</b>	<b>53.2881</b>	<b>0.6457</b>	<b>53.9338</b>	<b>14.4311</b>	<b>0.6123</b>	<b>15.0434</b>			<b>70,275.63 52</b>	<b>1.5582</b>	<b>6.5076</b>	<b>72,253.86 41</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2029**

**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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963			2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>			<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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
Vendor	2.3738	90.3199	27.9221	0.3672	13.1384	0.4981	13.6365	3.7810	0.4765	4.2575			39,457.49 33	0.9622	5.8492	41,224.62 03
Worker	12.3503	4.8335	99.7309	0.3049	40.1497	0.1476	40.2973	10.6501	0.1358	10.7859			30,818.14 19	0.5960	0.6584	31,029.24 38
<b>Total</b>	<b>14.7242</b>	<b>95.1534</b>	<b>127.6531</b>	<b>0.6721</b>	<b>53.2881</b>	<b>0.6457</b>	<b>53.9338</b>	<b>14.4311</b>	<b>0.6123</b>	<b>15.0434</b>			<b>70,275.63 52</b>	<b>1.5582</b>	<b>6.5076</b>	<b>72,253.86 41</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2030**

**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**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
Vendor	2.3124	89.0308	27.6503	0.3604	13.1375	0.4878	13.6253	3.7807	0.4667	4.2473			38,730.7837	0.9474	5.7493	40,467.7513
Worker	11.6384	4.5192	95.8000	0.2977	40.1497	0.1380	40.2877	10.6501	0.1270	10.7771			30,090.2829	0.5524	0.6359	30,293.5758
<b>Total</b>	<b>13.9508</b>	<b>93.5500</b>	<b>123.4503</b>	<b>0.6581</b>	<b>53.2872</b>	<b>0.6259</b>	<b>53.9130</b>	<b>14.4308</b>	<b>0.5937</b>	<b>15.0244</b>			<b>68,821.0666</b>	<b>1.4998</b>	<b>6.3851</b>	<b>70,761.3271</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2030**

**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**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
Vendor	2.3124	89.0308	27.6503	0.3604	13.1375	0.4878	13.6253	3.7807	0.4667	4.2473			38,730.7837	0.9474	5.7493	40,467.7513
Worker	11.6384	4.5192	95.8000	0.2977	40.1497	0.1380	40.2877	10.6501	0.1270	10.7771			30,090.2829	0.5524	0.6359	30,293.5758
<b>Total</b>	<b>13.9508</b>	<b>93.5500</b>	<b>123.4503</b>	<b>0.6581</b>	<b>53.2872</b>	<b>0.6259</b>	<b>53.9130</b>	<b>14.4308</b>	<b>0.5937</b>	<b>15.0244</b>			<b>68,821.0666</b>	<b>1.4998</b>	<b>6.3851</b>	<b>70,761.3271</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2031**

**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**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
Vendor	2.2603	87.9208	27.4630	0.3543	13.1367	0.4788	13.6154	3.7804	0.4580	4.2384			38,081.4554	0.9320	5.6601	39,791.4496
Worker	10.9556	4.2495	92.3775	0.2913	40.1497	0.1291	40.2788	10.6501	0.1188	10.7689			29,443.9161	0.5136	0.6168	29,640.5753
<b>Total</b>	<b>13.2159</b>	<b>92.1702</b>	<b>119.8406</b>	<b>0.6456</b>	<b>53.2864</b>	<b>0.6078</b>	<b>53.8942</b>	<b>14.4305</b>	<b>0.5768</b>	<b>15.0072</b>			<b>67,525.3715</b>	<b>1.4456</b>	<b>6.2769</b>	<b>69,432.0249</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2031**

**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**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
Vendor	2.2603	87.9208	27.4630	0.3543	13.1367	0.4788	13.6154	3.7804	0.4580	4.2384			38,081.4554	0.9320	5.6601	39,791.4496
Worker	10.9556	4.2495	92.3775	0.2913	40.1497	0.1291	40.2788	10.6501	0.1188	10.7689			29,443.9161	0.5136	0.6168	29,640.5753
<b>Total</b>	<b>13.2159</b>	<b>92.1702</b>	<b>119.8406</b>	<b>0.6456</b>	<b>53.2864</b>	<b>0.6078</b>	<b>53.8942</b>	<b>14.4305</b>	<b>0.5768</b>	<b>15.0072</b>			<b>67,525.3715</b>	<b>1.4456</b>	<b>6.2769</b>	<b>69,432.0249</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2032**

**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**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
Vendor	2.2162	86.9688	27.3440	0.3490	13.1360	0.4710	13.6071	3.7802	0.4506	4.2307			37,510.4980	0.9186	5.5818	39,196.8297
Worker	10.3217	4.0275	89.4443	0.2856	40.1497	0.1208	40.2705	10.6501	0.1112	10.7613			28,872.7413	0.4795	0.6013	29,063.9133
<b>Total</b>	<b>12.5379</b>	<b>90.9963</b>	<b>116.7883</b>	<b>0.6347</b>	<b>53.2858</b>	<b>0.5918</b>	<b>53.8776</b>	<b>14.4303</b>	<b>0.5617</b>	<b>14.9920</b>			<b>66,383.2393</b>	<b>1.3981</b>	<b>6.1831</b>	<b>68,260.7430</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2032**

**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**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
Vendor	2.2162	86.9688	27.3440	0.3490	13.1360	0.4710	13.6071	3.7802	0.4506	4.2307			37,510.4980	0.9186	5.5818	39,196.8297
Worker	10.3217	4.0275	89.4443	0.2856	40.1497	0.1208	40.2705	10.6501	0.1112	10.7613			28,872.7413	0.4795	0.6013	29,063.9133
<b>Total</b>	<b>12.5379</b>	<b>90.9963</b>	<b>116.7883</b>	<b>0.6347</b>	<b>53.2858</b>	<b>0.5918</b>	<b>53.8776</b>	<b>14.4303</b>	<b>0.5617</b>	<b>14.9920</b>			<b>66,383.2393</b>	<b>1.3981</b>	<b>6.1831</b>	<b>68,260.7430</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2033**

**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**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
Vendor	2.1794	86.1654	27.2655	0.3443	13.1355	0.4644	13.5999	3.7800	0.4443	4.2242			37,005.4988	0.9073	5.5126	38,670.9344
Worker	9.7745	3.8493	86.9437	0.2807	40.1497	0.1133	40.2630	10.6501	0.1043	10.7544			28,370.7058	0.4498	0.5888	28,557.3983
<b>Total</b>	<b>11.9539</b>	<b>90.0147</b>	<b>114.2091</b>	<b>0.6250</b>	<b>53.2852</b>	<b>0.5777</b>	<b>53.8629</b>	<b>14.4300</b>	<b>0.5485</b>	<b>14.9786</b>			<b>65,376.2046</b>	<b>1.3571</b>	<b>6.1013</b>	<b>67,228.3327</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2033**

**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**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
Vendor	2.1794	86.1654	27.2655	0.3443	13.1355	0.4644	13.5999	3.7800	0.4443	4.2242			37,005.4988	0.9073	5.5126	38,670.9344
Worker	9.7745	3.8493	86.9437	0.2807	40.1497	0.1133	40.2630	10.6501	0.1043	10.7544			28,370.7058	0.4498	0.5888	28,557.3983
<b>Total</b>	<b>11.9539</b>	<b>90.0147</b>	<b>114.2091</b>	<b>0.6250</b>	<b>53.2852</b>	<b>0.5777</b>	<b>53.8629</b>	<b>14.4300</b>	<b>0.5485</b>	<b>14.9786</b>			<b>65,376.2046</b>	<b>1.3571</b>	<b>6.1013</b>	<b>67,228.3327</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2034**

**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**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
Vendor	2.1457	85.3906	27.2039	0.3400	13.1349	0.4578	13.5927	3.7798	0.4380	4.2177			36,543.4079	0.8959	5.4491	38,189.6386
Worker	9.2643	3.7009	84.7229	0.2763	40.1497	0.1064	40.2561	10.6501	0.0979	10.7480			27,930.4982	0.4231	0.5784	28,113.4460
<b>Total</b>	<b>11.4100</b>	<b>89.0915</b>	<b>111.9268</b>	<b>0.6164</b>	<b>53.2846</b>	<b>0.5643</b>	<b>53.8489</b>	<b>14.4298</b>	<b>0.5359</b>	<b>14.9657</b>			<b>64,473.9061</b>	<b>1.3190</b>	<b>6.0275</b>	<b>66,303.0845</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2034**

**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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481			2,897.5468	0.1162		2,900.4529
<b>Total</b>	<b>1.3091</b>	<b>7.9346</b>	<b>16.1570</b>	<b>0.0310</b>		<b>0.1481</b>	<b>0.1481</b>		<b>0.1481</b>	<b>0.1481</b>			<b>2,897.5468</b>	<b>0.1162</b>		<b>2,900.4529</b>

**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
Vendor	2.1457	85.3906	27.2039	0.3400	13.1349	0.4578	13.5927	3.7798	0.4380	4.2177			36,543.4079	0.8959	5.4491	38,189.6386
Worker	9.2643	3.7009	84.7229	0.2763	40.1497	0.1064	40.2561	10.6501	0.0979	10.7480			27,930.4982	0.4231	0.5784	28,113.4460
<b>Total</b>	<b>11.4100</b>	<b>89.0915</b>	<b>111.9268</b>	<b>0.6164</b>	<b>53.2846</b>	<b>0.5643</b>	<b>53.8489</b>	<b>14.4298</b>	<b>0.5359</b>	<b>14.9657</b>			<b>64,473.9061</b>	<b>1.3190</b>	<b>6.0275</b>	<b>66,303.0845</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2035**

**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**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
Vendor	2.1153	84.7080	27.1548	0.3362	13.1344	0.4520	13.5864	3.7796	0.4324	4.2119			36,132.4482	0.8875	5.3925	37,761.5996
Worker	8.7965	3.5837	82.8189	0.2725	40.1497	0.1002	40.2499	10.6501	0.0922	10.7423			27,547.7564	0.3998	0.5703	27,727.6845
<b>Total</b>	<b>10.9118</b>	<b>88.2916</b>	<b>109.9737</b>	<b>0.6087</b>	<b>53.2841</b>	<b>0.5522</b>	<b>53.8363</b>	<b>14.4297</b>	<b>0.5246</b>	<b>14.9543</b>			<b>63,680.2046</b>	<b>1.2873</b>	<b>5.9628</b>	<b>65,489.2841</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2035**

**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**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
Vendor	2.1153	84.7080	27.1548	0.3362	13.1344	0.4520	13.5864	3.7796	0.4324	4.2119			36,132.4482	0.8875	5.3925	37,761.5996
Worker	8.7965	3.5837	82.8189	0.2725	40.1497	0.1002	40.2499	10.6501	0.0922	10.7423			27,547.7564	0.3998	0.5703	27,727.6845
<b>Total</b>	<b>10.9118</b>	<b>88.2916</b>	<b>109.9737</b>	<b>0.6087</b>	<b>53.2841</b>	<b>0.5522</b>	<b>53.8363</b>	<b>14.4297</b>	<b>0.5246</b>	<b>14.9543</b>			<b>63,680.2046</b>	<b>1.2873</b>	<b>5.9628</b>	<b>65,489.2841</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2036**

**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**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
Vendor	2.1153	84.7080	27.1548	0.3362	13.1344	0.4520	13.5864	3.7796	0.4324	4.2119			36,132.4482	0.8875	5.3925	37,761.5996
Worker	8.7965	3.5837	82.8189	0.2725	40.1497	0.1002	40.2499	10.6501	0.0922	10.7423			27,547.7564	0.3998	0.5703	27,727.6845
<b>Total</b>	<b>10.9118</b>	<b>88.2916</b>	<b>109.9737</b>	<b>0.6087</b>	<b>53.2841</b>	<b>0.5522</b>	<b>53.8363</b>	<b>14.4297</b>	<b>0.5246</b>	<b>14.9543</b>			<b>63,680.2046</b>	<b>1.2873</b>	<b>5.9628</b>	<b>65,489.2841</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2036**

**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**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
Vendor	2.1153	84.7080	27.1548	0.3362	13.1344	0.4520	13.5864	3.7796	0.4324	4.2119			36,132.4482	0.8875	5.3925	37,761.5996
Worker	8.7965	3.5837	82.8189	0.2725	40.1497	0.1002	40.2499	10.6501	0.0922	10.7423			27,547.7564	0.3998	0.5703	27,727.6845
<b>Total</b>	<b>10.9118</b>	<b>88.2916</b>	<b>109.9737</b>	<b>0.6087</b>	<b>53.2841</b>	<b>0.5522</b>	<b>53.8363</b>	<b>14.4297</b>	<b>0.5246</b>	<b>14.9543</b>			<b>63,680.2046</b>	<b>1.2873</b>	<b>5.9628</b>	<b>65,489.2841</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2037**

**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**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
Vendor	2.1153	84.7080	27.1548	0.3362	13.1344	0.4520	13.5864	3.7796	0.4324	4.2119			36,132.4482	0.8875	5.3925	37,761.5996
Worker	8.7965	3.5837	82.8189	0.2725	40.1497	0.1002	40.2499	10.6501	0.0922	10.7423			27,547.7564	0.3998	0.5703	27,727.6845
<b>Total</b>	<b>10.9118</b>	<b>88.2916</b>	<b>109.9737</b>	<b>0.6087</b>	<b>53.2841</b>	<b>0.5522</b>	<b>53.8363</b>	<b>14.4297</b>	<b>0.5246</b>	<b>14.9543</b>			<b>63,680.2046</b>	<b>1.2873</b>	<b>5.9628</b>	<b>65,489.2841</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2037**

**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**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
Vendor	2.1153	84.7080	27.1548	0.3362	13.1344	0.4520	13.5864	3.7796	0.4324	4.2119			36,132.4482	0.8875	5.3925	37,761.5996
Worker	8.7965	3.5837	82.8189	0.2725	40.1497	0.1002	40.2499	10.6501	0.0922	10.7423			27,547.7564	0.3998	0.5703	27,727.6845
<b>Total</b>	<b>10.9118</b>	<b>88.2916</b>	<b>109.9737</b>	<b>0.6087</b>	<b>53.2841</b>	<b>0.5522</b>	<b>53.8363</b>	<b>14.4297</b>	<b>0.5246</b>	<b>14.9543</b>			<b>63,680.2046</b>	<b>1.2873</b>	<b>5.9628</b>	<b>65,489.2841</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2038**

**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**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
Vendor	2.1153	84.7080	27.1548	0.3362	13.1344	0.4520	13.5864	3.7796	0.4324	4.2119			36,132.4482	0.8875	5.3925	37,761.5996
Worker	8.7965	3.5837	82.8189	0.2725	40.1497	0.1002	40.2499	10.6501	0.0922	10.7423			27,547.7564	0.3998	0.5703	27,727.6845
<b>Total</b>	<b>10.9118</b>	<b>88.2916</b>	<b>109.9737</b>	<b>0.6087</b>	<b>53.2841</b>	<b>0.5522</b>	<b>53.8363</b>	<b>14.4297</b>	<b>0.5246</b>	<b>14.9543</b>			<b>63,680.2046</b>	<b>1.2873</b>	<b>5.9628</b>	<b>65,489.2841</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.4 Building Construction - 2038**

**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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904			2,897.5468	0.1079		2,900.2448
<b>Total</b>	<b>1.2168</b>	<b>7.1613</b>	<b>16.1178</b>	<b>0.0310</b>		<b>0.0904</b>	<b>0.0904</b>		<b>0.0904</b>	<b>0.0904</b>			<b>2,897.5468</b>	<b>0.1079</b>		<b>2,900.2448</b>

**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
Vendor	2.1153	84.7080	27.1548	0.3362	13.1344	0.4520	13.5864	3.7796	0.4324	4.2119			36,132.4482	0.8875	5.3925	37,761.5996
Worker	8.7965	3.5837	82.8189	0.2725	40.1497	0.1002	40.2499	10.6501	0.0922	10.7423			27,547.7564	0.3998	0.5703	27,727.6845
<b>Total</b>	<b>10.9118</b>	<b>88.2916</b>	<b>109.9737</b>	<b>0.6087</b>	<b>53.2841</b>	<b>0.5522</b>	<b>53.8363</b>	<b>14.4297</b>	<b>0.5246</b>	<b>14.9543</b>			<b>63,680.2046</b>	<b>1.2873</b>	<b>5.9628</b>	<b>65,489.2841</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.5 Paving - 2038**

**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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874			2,656.5168	0.1022		2,659.0727
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1405</b>	<b>4.8761</b>	<b>15.8203</b>	<b>0.0281</b>		<b>0.1874</b>	<b>0.1874</b>		<b>0.1874</b>	<b>0.1874</b>			<b>2,656.5168</b>	<b>0.1022</b>		<b>2,659.0727</b>

**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
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
Worker	0.0250	0.0102	0.2354	7.7000e-004	0.1141	2.8000e-004	0.1144	0.0303	2.6000e-004	0.0305			78.2903	1.1400e-003	1.6200e-003	78.8017
<b>Total</b>	<b>0.0250</b>	<b>0.0102</b>	<b>0.2354</b>	<b>7.7000e-004</b>	<b>0.1141</b>	<b>2.8000e-004</b>	<b>0.1144</b>	<b>0.0303</b>	<b>2.6000e-004</b>	<b>0.0305</b>			<b>78.2903</b>	<b>1.1400e-003</b>	<b>1.6200e-003</b>	<b>78.8017</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.5 Paving - 2038**

**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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874			2,656.5168	0.1022		2,659.0726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1405</b>	<b>4.8761</b>	<b>15.8203</b>	<b>0.0281</b>		<b>0.1874</b>	<b>0.1874</b>		<b>0.1874</b>	<b>0.1874</b>			<b>2,656.5168</b>	<b>0.1022</b>		<b>2,659.0726</b>

**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
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
Worker	0.0250	0.0102	0.2354	7.7000e-004	0.1141	2.8000e-004	0.1144	0.0303	2.6000e-004	0.0305			78.2903	1.1400e-003	1.6200e-003	78.8017
<b>Total</b>	<b>0.0250</b>	<b>0.0102</b>	<b>0.2354</b>	<b>7.7000e-004</b>	<b>0.1141</b>	<b>2.8000e-004</b>	<b>0.1144</b>	<b>0.0303</b>	<b>2.6000e-004</b>	<b>0.0305</b>			<b>78.2903</b>	<b>1.1400e-003</b>	<b>1.6200e-003</b>	<b>78.8017</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.5 Paving - 2039**

**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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874			2,656.5168	0.1022		2,659.0727
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1405</b>	<b>4.8761</b>	<b>15.8203</b>	<b>0.0281</b>		<b>0.1874</b>	<b>0.1874</b>		<b>0.1874</b>	<b>0.1874</b>			<b>2,656.5168</b>	<b>0.1022</b>		<b>2,659.0727</b>

**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
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
Worker	0.0250	0.0102	0.2354	7.7000e-004	0.1141	2.8000e-004	0.1144	0.0303	2.6000e-004	0.0305			78.2903	1.1400e-003	1.6200e-003	78.8017
<b>Total</b>	<b>0.0250</b>	<b>0.0102</b>	<b>0.2354</b>	<b>7.7000e-004</b>	<b>0.1141</b>	<b>2.8000e-004</b>	<b>0.1144</b>	<b>0.0303</b>	<b>2.6000e-004</b>	<b>0.0305</b>			<b>78.2903</b>	<b>1.1400e-003</b>	<b>1.6200e-003</b>	<b>78.8017</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**3.5 Paving - 2039**

**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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874			2,656.5168	0.1022		2,659.0726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1405</b>	<b>4.8761</b>	<b>15.8203</b>	<b>0.0281</b>		<b>0.1874</b>	<b>0.1874</b>		<b>0.1874</b>	<b>0.1874</b>			<b>2,656.5168</b>	<b>0.1022</b>		<b>2,659.0726</b>

**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
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
Worker	0.0250	0.0102	0.2354	7.7000e-004	0.1141	2.8000e-004	0.1144	0.0303	2.6000e-004	0.0305			78.2903	1.1400e-003	1.6200e-003	78.8017
<b>Total</b>	<b>0.0250</b>	<b>0.0102</b>	<b>0.2354</b>	<b>7.7000e-004</b>	<b>0.1141</b>	<b>2.8000e-004</b>	<b>0.1144</b>	<b>0.0303</b>	<b>2.6000e-004</b>	<b>0.0305</b>			<b>78.2903</b>	<b>1.1400e-003</b>	<b>1.6200e-003</b>	<b>78.8017</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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 - 2040**

**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	188.1882					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003			281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>188.3031</b>	<b>0.7270</b>	<b>1.7923</b>	<b>2.9700e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>			<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

**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
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
Worker	1.3863	0.6474	15.3049	0.0521	8.0330	0.0157	8.0487	2.1308	0.0145	2.1453			5,264.8139	0.0638	0.1095	5,299.0434
<b>Total</b>	<b>1.3863</b>	<b>0.6474</b>	<b>15.3049</b>	<b>0.0521</b>	<b>8.0330</b>	<b>0.0157</b>	<b>8.0487</b>	<b>2.1308</b>	<b>0.0145</b>	<b>2.1453</b>			<b>5,264.8139</b>	<b>0.0638</b>	<b>0.1095</b>	<b>5,299.0434</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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 - 2040**

**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	188.1882					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003			281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>188.3031</b>	<b>0.7270</b>	<b>1.7923</b>	<b>2.9700e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>			<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

**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
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
Worker	1.3863	0.6474	15.3049	0.0521	8.0330	0.0157	8.0487	2.1308	0.0145	2.1453			5,264.8139	0.0638	0.1095	5,299.0434
<b>Total</b>	<b>1.3863</b>	<b>0.6474</b>	<b>15.3049</b>	<b>0.0521</b>	<b>8.0330</b>	<b>0.0157</b>	<b>8.0487</b>	<b>2.1308</b>	<b>0.0145</b>	<b>2.1453</b>			<b>5,264.8139</b>	<b>0.0638</b>	<b>0.1095</b>	<b>5,299.0434</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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 - 2041**

**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	188.1882					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003			281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>188.3031</b>	<b>0.7270</b>	<b>1.7923</b>	<b>2.9700e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>			<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

**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
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
Worker	1.3863	0.6474	15.3049	0.0521	8.0330	0.0157	8.0487	2.1308	0.0145	2.1453			5,264.8139	0.0638	0.1095	5,299.0434
<b>Total</b>	<b>1.3863</b>	<b>0.6474</b>	<b>15.3049</b>	<b>0.0521</b>	<b>8.0330</b>	<b>0.0157</b>	<b>8.0487</b>	<b>2.1308</b>	<b>0.0145</b>	<b>2.1453</b>			<b>5,264.8139</b>	<b>0.0638</b>	<b>0.1095</b>	<b>5,299.0434</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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 - 2041**

**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	188.1882					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1149	0.7270	1.7923	2.9700e-003		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003			281.4481	9.9000e-003		281.6957
<b>Total</b>	<b>188.3031</b>	<b>0.7270</b>	<b>1.7923</b>	<b>2.9700e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>		<b>7.4300e-003</b>	<b>7.4300e-003</b>			<b>281.4481</b>	<b>9.9000e-003</b>		<b>281.6957</b>

**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
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
Worker	1.3863	0.6474	15.3049	0.0521	8.0330	0.0157	8.0487	2.1308	0.0145	2.1453			5,264.8139	0.0638	0.1095	5,299.0434
<b>Total</b>	<b>1.3863</b>	<b>0.6474</b>	<b>15.3049</b>	<b>0.0521</b>	<b>8.0330</b>	<b>0.0157</b>	<b>8.0487</b>	<b>2.1308</b>	<b>0.0145</b>	<b>2.1453</b>			<b>5,264.8139</b>	<b>0.0638</b>	<b>0.1095</b>	<b>5,299.0434</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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	151.9934	127.3990	1,253.8957	2.6502	360.8178	1.2802	362.0980	96.0774	1.1963	97.2737			270,858.5825	17.2992	12.5826	275,040.6699
Unmitigated	151.9934	127.3990	1,253.8957	2.6502	360.8178	1.2802	362.0980	96.0774	1.1963	97.2737			270,858.5825	17.2992	12.5826	275,040.6699

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	89.70	69.00	251.85	202,773	202,773
General Office Building	73,186.36	1,502.80	5259.80	109,950,383	109,950,383
Apartments Mid Rise	5,032.00	1,942.50	3783.25	11,322,314	11,322,314
Single Family Housing	2,709.28	1,205.40	2453.85	6,307,368	6,307,368
<b>Total</b>	<b>81,017.34</b>	<b>4,719.70</b>	<b>11,748.75</b>	<b>127,782,838</b>	<b>127,782,838</b>

**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	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4
Apartments Mid Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

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
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.572323	0.055898	0.181183	0.117504	0.017913	0.005011	0.012759	0.009244	0.000656	0.000766	0.023903	0.000662	0.002180
General Office Building	0.572323	0.055898	0.181183	0.117504	0.017913	0.005011	0.012759	0.009244	0.000656	0.000766	0.023903	0.000662	0.002180
Apartments Mid Rise	0.572323	0.055898	0.181183	0.117504	0.017913	0.005011	0.012759	0.009244	0.000656	0.000766	0.023903	0.000662	0.002180
Single Family Housing	0.572323	0.055898	0.181183	0.117504	0.017913	0.005011	0.012759	0.009244	0.000656	0.000766	0.023903	0.000662	0.002180

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	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
	lb/day										lb/day					
NaturalGas Mitigated	4.0767	36.8113	29.2994	0.2224		2.8166	2.8166		2.8166	2.8166			44,473.2607	0.8524	0.8153	44,737.5430
NaturalGas Unmitigated	4.0767	36.8113	29.2994	0.2224		2.8166	2.8166		2.8166	2.8166			44,473.2607	0.8524	0.8153	44,737.5430

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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					
Apartments Mid Rise	23863	0.2574	2.1991	0.9358	0.0140		0.1778	0.1778		0.1778	0.1778			2,807.4175	0.0538	0.0515	2,824.1006
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
General Office Building	335557	3.6188	32.8977	27.6341	0.1974		2.5002	2.5002		2.5002	2.5002			39,477.2603	0.7567	0.7238	39,711.8539
Single Family Housing	18603	0.2006	1.7144	0.7295	0.0109		0.1386	0.1386		0.1386	0.1386			2,188.5829	0.0420	0.0401	2,201.5886
<b>Total</b>		<b>4.0767</b>	<b>36.8113</b>	<b>29.2994</b>	<b>0.2224</b>		<b>2.8166</b>	<b>2.8166</b>		<b>2.8166</b>	<b>2.8166</b>			<b>44,473.2607</b>	<b>0.8524</b>	<b>0.8153</b>	<b>44,737.5430</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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					
Apartments Mid Rise	23.863	0.2574	2.1991	0.9358	0.0140		0.1778	0.1778		0.1778	0.1778			2,807.4175	0.0538	0.0515	2,824.1006
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
General Office Building	335.557	3.6188	32.8977	27.6341	0.1974		2.5002	2.5002		2.5002	2.5002			39,477.2603	0.7567	0.7238	39,711.8539
Single Family Housing	18.603	0.2006	1.7144	0.7295	0.0109		0.1386	0.1386		0.1386	0.1386			2,188.5829	0.0420	0.0401	2,201.5886
<b>Total</b>		<b>4.0767</b>	<b>36.8113</b>	<b>29.2994</b>	<b>0.2224</b>		<b>2.8166</b>	<b>2.8166</b>		<b>2.8166</b>	<b>2.8166</b>			<b>44,473.2607</b>	<b>0.8524</b>	<b>0.8153</b>	<b>44,737.5430</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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	218.9825	1.1561	100.3262	5.3400e-003		0.5573	0.5573		0.5573	0.5573			181.7150	0.1757	0.0000	186.1069
Unmitigated	218.9825	1.1561	100.3262	5.3400e-003		0.5573	0.5573		0.5573	0.5573			181.7150	0.1757	0.0000	186.1069

**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	24.0262					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	191.9079					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	3.0484	1.1561	100.3262	5.3400e-003		0.5573	0.5573		0.5573	0.5573			181.7150	0.1757		186.1069
<b>Total</b>	<b>218.9825</b>	<b>1.1561</b>	<b>100.3262</b>	<b>5.3400e-003</b>		<b>0.5573</b>	<b>0.5573</b>		<b>0.5573</b>	<b>0.5573</b>			<b>181.7150</b>	<b>0.1757</b>	<b>0.0000</b>	<b>186.1069</b>

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento 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	24.0262					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	191.9079					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	3.0484	1.1561	100.3262	5.3400e-003		0.5573	0.5573		0.5573	0.5573			181.7150	0.1757		186.1069
<b>Total</b>	<b>218.9825</b>	<b>1.1561</b>	<b>100.3262</b>	<b>5.3400e-003</b>		<b>0.5573</b>	<b>0.5573</b>		<b>0.5573</b>	<b>0.5573</b>			<b>181.7150</b>	<b>0.1757</b>	<b>0.0000</b>	<b>186.1069</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Elk Grove LEA Community Plan Construction + Operation Emissions - Sacramento County, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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