

APPENDIX B

AIR QUALITY/ENERGY/GREENHOUSE GAS CALEEMOD MODELING DATA

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Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

**Laguna Woods General Plan and Zoning Update Project
Orange County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	1,197.00	Dwelling Unit	388.64	2,154,600.00	3423

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	30
Climate Zone	8			Operational Year	2045
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The project proposes to develop a total of 1,197 residential units across 17 different sites.

Construction Phase - Construction assumed to start 2023 and end in 2045. Overlap of building construction and architectural coating.

Off-road Equipment - Default

Off-road Equipment - Default

Grading - Assumed balanced sites

Vehicle Trips - Based on a net trip generation of 746 ADT

Construction Off-road Equipment Mitigation - Use of construction equipment tier 2, water exposed area twice, and reduced vehicle speed to 15 mph

Area Mitigation - Only natural gas hearths

Off-road Equipment - Default

Demolition - Demolition of existing buildings

Fleet Mix - Default fleet mix

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tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	440.00	2,250.00
tblConstructionPhase	NumDays	6,200.00	4,450.00
tblConstructionPhase	NumDays	400.00	620.00
tblConstructionPhase	NumDays	620.00	500.00
tblConstructionPhase	NumDays	440.00	150.00
tblConstructionPhase	NumDays	240.00	200.00
tblVehicleTrips	ST_TR	9.54	0.62
tblVehicleTrips	SU_TR	8.55	0.62
tblVehicleTrips	WD_TR	9.44	0.62

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.3014	2.8549	2.6295	5.4900e-003	0.1295	0.1302	0.2596	0.0230	0.1211	0.1441	0.0000	485.2361	485.2361	0.1268	4.7000e-003	489.8083
2024	0.3001	2.7967	2.6547	5.5200e-003	0.1305	0.1263	0.2568	0.0232	0.1173	0.1405	0.0000	488.2515	488.2515	0.1277	4.6600e-003	492.8316
2025	0.3099	3.0223	2.4752	5.2900e-003	1.6964	0.1306	1.8270	0.8395	0.1205	0.9600	0.0000	466.8795	466.8795	0.1361	1.9700e-003	470.8690
2026	0.3768	3.6003	3.3429	7.8700e-003	1.9914	0.1469	2.1383	0.6650	0.1351	0.8002	0.0000	692.6169	692.6169	0.2178	4.3000e-004	698.1918
2027	0.3845	3.6502	3.4966	8.3100e-003	1.6099	0.1477	1.7576	0.5255	0.1359	0.6614	0.0000	731.4045	731.4045	0.2304	4.2000e-004	737.2893
2028	0.3181	2.3642	3.5682	0.0105	1.5206	0.0784	1.5990	0.2936	0.0736	0.3671	0.0000	980.8459	980.8459	0.1042	0.0456	997.0356

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	ROG	NOx	CO	SO2	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					
2029	0.3091	2.2864	3.5400	0.0105	0.7227	0.0743	0.7970	0.1943	0.0699	0.2642	0.0000	987.7843	987.7843	0.0965	0.0476	1,004.3788
2030	0.2955	1.6867	3.5087	0.0108	0.7227	0.0246	0.7473	0.1943	0.0243	0.2186	0.0000	1,016.9600	1,016.9600	0.0388	0.0467	1,031.8475
2031	0.2894	1.6774	3.4734	0.0107	0.7227	0.0244	0.7471	0.1943	0.0241	0.2184	0.0000	1,005.4435	1,005.4435	0.0385	0.0458	1,020.0493
2032	0.2851	1.6778	3.4557	0.0106	0.7255	0.0243	0.7498	0.1951	0.0241	0.2191	0.0000	1,000.3417	1,000.3417	0.0384	0.0452	1,014.7840
2033	0.2781	1.6600	3.4030	0.0104	0.7199	0.0240	0.7440	0.1936	0.0238	0.2173	0.0000	984.8122	984.8122	0.0379	0.0443	998.9513
2034	0.2738	1.6552	3.3792	0.0103	0.7199	0.0239	0.7438	0.1936	0.0237	0.2172	0.0000	977.7028	977.7028	0.0377	0.0437	991.6646
2035	0.2588	1.5565	3.3668	0.0103	0.7227	0.0164	0.7391	0.1943	0.0161	0.2104	0.0000	975.1881	975.1881	0.0367	0.0433	989.0187
2036	0.2598	1.5624	3.3797	0.0103	0.7255	0.0164	0.7419	0.1951	0.0162	0.2112	0.0000	978.9244	978.9244	0.0369	0.0435	992.8081
2037	1.0202	1.6583	3.7760	0.0114	0.8379	0.0179	0.8557	0.2249	0.0176	0.2425	0.0000	1,079.2521	1,079.2521	0.0387	0.0447	1,093.5383
2038	1.0733	1.6654	3.8045	0.0115	0.8459	0.0180	0.8639	0.2270	0.0177	0.2447	0.0000	1,086.5024	1,086.5024	0.0388	0.0448	1,100.8204
2039	1.0692	1.6590	3.7900	0.0114	0.8427	0.0179	0.8606	0.2262	0.0176	0.2438	0.0000	1,082.3396	1,082.3396	0.0387	0.0446	1,096.6027
2040	1.0529	1.6136	3.7211	0.0112	0.8459	0.0151	0.8610	0.2271	0.0148	0.2419	0.0000	1,063.3513	1,063.3513	0.0373	0.0429	1,077.0620
2041	1.0529	1.6136	3.7211	0.0112	0.8459	0.0151	0.8610	0.2271	0.0148	0.2419	0.0000	1,063.3513	1,063.3513	0.0373	0.0429	1,077.0620
2042	1.0529	1.6136	3.7211	0.0112	0.8459	0.0151	0.8610	0.2271	0.0148	0.2419	0.0000	1,063.3513	1,063.3513	0.0373	0.0429	1,077.0620
2043	1.0529	1.6136	3.7211	0.0112	0.8459	0.0151	0.8610	0.2271	0.0148	0.2419	0.0000	1,063.3513	1,063.3513	0.0373	0.0429	1,077.0620
2044	1.0529	1.6136	3.7211	0.0112	0.8459	0.0151	0.8610	0.2271	0.0148	0.2419	0.0000	1,063.3513	1,063.3513	0.0373	0.0429	1,077.0620
2045	0.6627	0.5197	1.8679	4.0900e-003	0.1804	0.0112	0.1916	0.0482	0.0111	0.0593	0.0000	371.7175	371.7175	0.0114	5.7500e-003	373.7157
Maximum	1.0733	3.6502	3.8045	0.0115	1.9914	0.1477	2.1383	0.8395	0.1359	0.9600	0.0000	1,086.5024	1,086.5024	0.2304	0.0476	1,100.8204

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1705	4.3083	3.2835	5.4900e-003	0.0744	0.1192	0.1936	0.0147	0.1192	0.1339	0.0000	485.2356	485.2356	0.1268	4.7000e-003	489.8078
2024	0.1714	4.3406	3.3053	5.5200e-003	0.0750	0.1202	0.1951	0.0148	0.1201	0.1349	0.0000	488.2510	488.2510	0.1277	4.6600e-003	492.8311
2025	0.1663	4.3739	3.1441	5.2900e-003	0.7783	0.1221	0.9005	0.3818	0.1221	0.5039	0.0000	466.8790	466.8790	0.1361	1.9700e-003	470.8684
2026	0.2313	6.3664	4.6001	7.8700e-003	0.9117	0.1670	1.0786	0.3034	0.1670	0.4703	0.0000	692.6161	692.6161	0.2178	4.3000e-004	698.1909
2027	0.2422	6.6903	4.8526	8.3100e-003	0.7402	0.1741	0.9143	0.2407	0.1741	0.4148	0.0000	731.4037	731.4037	0.2304	4.2000e-004	737.2885
2028	0.2748	3.8968	3.8653	0.0105	1.0583	0.1260	1.1842	0.2327	0.1256	0.3583	0.0000	980.8455	980.8455	0.1042	0.0456	997.0352
2029	0.2717	3.7329	3.7735	0.0105	0.7227	0.1233	0.8460	0.1943	0.1230	0.3174	0.0000	987.7840	987.7840	0.0965	0.0476	1,004.3785
2030	0.2657	3.7250	3.7327	0.0108	0.7227	0.1232	0.8459	0.1943	0.1229	0.3172	0.0000	1,016.9596	1,016.9596	0.0388	0.0467	1,031.8471
2031	0.2596	3.7158	3.6974	0.0107	0.7227	0.1230	0.8457	0.1943	0.1227	0.3170	0.0000	1,005.4431	1,005.4431	0.0385	0.0458	1,020.0489
2032	0.2552	3.7240	3.6806	0.0106	0.7255	0.1233	0.8488	0.1951	0.1230	0.3181	0.0000	1,000.3413	1,000.3413	0.0384	0.0452	1,014.7836
2033	0.2484	3.6905	3.6261	0.0104	0.7199	0.1222	0.8422	0.1936	0.1220	0.3156	0.0000	984.8118	984.8118	0.0379	0.0443	998.9509
2034	0.2441	3.6858	3.6024	0.0103	0.7199	0.1221	0.8420	0.1936	0.1219	0.3154	0.0000	977.7024	977.7024	0.0377	0.0437	991.6642
2035	0.2411	3.6958	3.5960	0.0103	0.7227	0.1225	0.8452	0.1943	0.1222	0.3166	0.0000	975.1876	975.1876	0.0367	0.0433	989.0183
2036	0.2420	3.7099	3.6097	0.0103	0.7255	0.1230	0.8484	0.1951	0.1227	0.3178	0.0000	978.9240	978.9240	0.0369	0.0435	992.8077
2037	1.0020	3.9922	4.0098	0.0114	0.8379	0.1344	0.9723	0.2249	0.1341	0.3590	0.0000	1,079.2516	1,079.2516	0.0387	0.0447	1,093.5378
2038	1.0550	4.0128	4.0387	0.0115	0.8459	0.1352	0.9811	0.2270	0.1349	0.3620	0.0000	1,086.5020	1,086.5020	0.0388	0.0448	1,100.8199

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	ROG	NOx	CO	SO2	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					
2039	1.0510	3.9974	4.0232	0.0114	0.8427	0.1347	0.9773	0.2262	0.1344	0.3606	0.0000	1,082.3391	1,082.3391	0.0387	0.0446	1,096.6022
2040	1.0376	4.0003	3.9554	0.0112	0.8459	0.1348	0.9807	0.2271	0.1346	0.3616	0.0000	1,063.3509	1,063.3509	0.0373	0.0429	1,077.0615
2041	1.0376	4.0003	3.9554	0.0112	0.8459	0.1348	0.9807	0.2271	0.1346	0.3616	0.0000	1,063.3509	1,063.3509	0.0373	0.0429	1,077.0615
2042	1.0376	4.0003	3.9554	0.0112	0.8459	0.1348	0.9807	0.2271	0.1346	0.3616	0.0000	1,063.3509	1,063.3509	0.0373	0.0429	1,077.0615
2043	1.0376	4.0003	3.9554	0.0112	0.8459	0.1348	0.9807	0.2271	0.1346	0.3616	0.0000	1,063.3509	1,063.3509	0.0373	0.0429	1,077.0615
2044	1.0376	4.0003	3.9554	0.0112	0.8459	0.1348	0.9807	0.2271	0.1346	0.3616	0.0000	1,063.3509	1,063.3509	0.0373	0.0429	1,077.0615
2045	0.6548	2.1503	2.0087	4.0900e-003	0.1804	0.0728	0.2532	0.0482	0.0727	0.1209	0.0000	371.7172	371.7172	0.0114	5.7500e-003	373.7154
Maximum	1.0550	6.6903	4.8526	0.0115	1.0583	0.1741	1.1842	0.3818	0.1741	0.5039	0.0000	1,086.5020	1,086.5020	0.2304	0.0476	1,100.8199

	ROG	NOx	CO	SO2	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	8.21	-105.63	-11.24	0.00	17.38	-162.46	7.68	20.43	-178.03	-10.39	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	1-2-2023	4-1-2023	0.7804	1.1073
2	4-2-2023	7-1-2023	0.7883	1.1189
3	7-2-2023	10-1-2023	0.7969	1.1312
4	10-2-2023	1-1-2024	0.7975	1.1319
5	1-2-2024	4-1-2024	0.7682	1.1193
6	4-2-2024	7-1-2024	0.7675	1.1186
7	7-2-2024	10-1-2024	0.7759	1.1309
8	10-2-2024	1-1-2025	0.7760	1.1317

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9	1-2-2025	4-1-2025	0.7006	1.1067
10	4-2-2025	7-1-2025	0.7864	1.1030
11	7-2-2025	10-1-2025	0.9127	1.1501
12	10-2-2025	1-1-2026	0.9129	1.1503
13	1-2-2026	4-1-2026	0.9158	1.3461
14	4-2-2026	7-1-2026	1.0048	1.7265
15	7-2-2026	10-1-2026	1.0159	1.7455
16	10-2-2026	1-1-2027	1.0161	1.7457
17	1-2-2027	4-1-2027	0.9939	1.7076
18	4-2-2027	7-1-2027	1.0047	1.7264
19	7-2-2027	10-1-2027	1.0157	1.7453
20	10-2-2027	1-1-2028	1.0160	1.7456
21	1-2-2028	4-1-2028	0.7154	1.1401
22	4-2-2028	7-1-2028	0.6414	0.9923
23	7-2-2028	10-1-2028	0.6485	1.0033
24	10-2-2028	1-1-2029	0.6596	1.0143
25	1-2-2029	4-1-2029	0.6414	0.9885
26	4-2-2029	7-1-2029	0.6378	0.9887
27	7-2-2029	10-1-2029	0.6449	0.9997
28	10-2-2029	1-1-2030	0.6541	1.0105
29	1-2-2030	4-1-2030	0.4903	0.9850
30	4-2-2030	7-1-2030	0.4852	0.9854
31	7-2-2030	10-1-2030	0.4906	0.9964
32	10-2-2030	1-1-2031	0.5012	1.0069
33	1-2-2031	4-1-2031	0.4864	0.9811
34	4-2-2031	7-1-2031	0.4815	0.9818
35	7-2-2031	10-1-2031	0.4869	0.9927
36	10-2-2031	1-1-2032	0.4973	1.0030
37	1-2-2032	4-1-2032	0.4889	0.9891

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38	4-2-2032	7-1-2032	0.4788	0.9790
39	7-2-2032	10-1-2032	0.4842	0.9899
40	10-2-2032	1-1-2033	0.4944	1.0001
41	1-2-2033	4-1-2033	0.4810	0.9758
42	4-2-2033	7-1-2033	0.4765	0.9767
43	7-2-2033	10-1-2033	0.4818	0.9875
44	10-2-2033	1-1-2034	0.4918	0.9975
45	1-2-2034	4-1-2034	0.4787	0.9735
46	4-2-2034	7-1-2034	0.4743	0.9745
47	7-2-2034	10-1-2034	0.4796	0.9853
48	10-2-2034	1-1-2035	0.4892	0.9952
49	1-2-2035	4-1-2035	0.4489	0.9714
50	4-2-2035	7-1-2035	0.4442	0.9725
51	7-2-2035	10-1-2035	0.4492	0.9833
52	10-2-2035	1-1-2036	0.4589	0.9931
53	1-2-2036	4-1-2036	0.4539	0.9822
54	4-2-2036	7-1-2036	0.4442	0.9725
55	7-2-2036	10-1-2036	0.4492	0.9833
56	10-2-2036	1-1-2037	0.4589	0.9931
57	1-2-2037	4-1-2037	0.6159	1.1760
58	4-2-2037	7-1-2037	0.6738	1.2539
59	7-2-2037	10-1-2037	0.6813	1.2678
60	10-2-2037	1-1-2038	0.6919	1.2783
61	1-2-2038	4-1-2038	0.6767	1.2504
62	4-2-2038	7-1-2038	0.6738	1.2539
63	7-2-2038	10-1-2038	0.6813	1.2678
64	10-2-2038	1-1-2039	0.6919	1.2783
65	1-2-2039	4-1-2039	0.6767	1.2504
66	4-2-2039	7-1-2039	0.6738	1.2539

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67	7-2-2039	10-1-2039	0.6813	1.2678
68	10-2-2039	1-1-2040	0.6917	1.2782
69	1-2-2040	4-1-2040	0.6660	1.2566
70	4-2-2040	7-1-2040	0.6560	1.2466
71	7-2-2040	10-1-2040	0.6633	1.2604
72	10-2-2040	1-1-2041	0.6734	1.2705
73	1-2-2041	4-1-2041	0.6586	1.2428
74	4-2-2041	7-1-2041	0.6560	1.2466
75	7-2-2041	10-1-2041	0.6633	1.2604
76	10-2-2041	1-1-2042	0.6734	1.2705
77	1-2-2042	4-1-2042	0.6586	1.2428
78	4-2-2042	7-1-2042	0.6560	1.2466
79	7-2-2042	10-1-2042	0.6633	1.2604
80	10-2-2042	1-1-2043	0.6734	1.2705
81	1-2-2043	4-1-2043	0.6586	1.2428
82	4-2-2043	7-1-2043	0.6560	1.2466
83	7-2-2043	10-1-2043	0.6633	1.2604
84	10-2-2043	1-1-2044	0.6734	1.2705
85	1-2-2044	4-1-2044	0.6660	1.2566
86	4-2-2044	7-1-2044	0.6560	1.2466
87	7-2-2044	10-1-2044	0.6633	1.2604
88	10-2-2044	1-1-2045	0.6734	1.2705
89	1-2-2045	4-1-2045	0.5089	1.1192
90	4-2-2045	7-1-2045	0.3798	0.9649
91	7-2-2045	9-30-2045	0.2763	0.6789
		Highest	1.0161	1.7457

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

2.2 Overall Operational

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	12.7480	0.4523	19.8992	0.0201		1.2114	1.2114		1.2114	1.2114	127.1442	264.4917	391.6359	0.3984	8.6300e-003	404.1666
Energy	0.1543	1.3181	0.5609	8.4100e-003		0.1066	0.1066		0.1066	0.1066	0.0000	3,186.1487	3,186.1487	0.1693	0.0450	3,203.7818
Mobile	0.2749	0.2710	2.9000	6.3900e-003	0.9554	2.8900e-003	0.9583	0.2550	2.7000e-003	0.2577	0.0000	649.7722	649.7722	0.0385	0.0267	658.6800
Waste						0.0000	0.0000		0.0000	0.0000	284.8836	0.0000	284.8836	16.8361	0.0000	705.7871
Water						0.0000	0.0000		0.0000	0.0000	24.7424	276.9689	301.7114	2.5647	0.0628	384.5539
Total	13.1772	2.0414	23.3601	0.0349	0.9554	1.3209	2.2763	0.2550	1.3207	1.5757	436.7703	4,377.3815	4,814.1518	20.0070	0.1431	5,356.9693

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.8535	0.3652	12.3851	2.0800e-003		0.0865	0.0865		0.0865	0.0865	0.0000	278.8639	278.8639	0.0242	4.7400e-003	280.8810
Energy	0.1543	1.3181	0.5609	8.4100e-003		0.1066	0.1066		0.1066	0.1066	0.0000	3,186.1487	3,186.1487	0.1693	0.0450	3,203.7818
Mobile	0.2749	0.2710	2.9000	6.3900e-003	0.9554	2.8900e-003	0.9583	0.2550	2.7000e-003	0.2577	0.0000	649.7722	649.7722	0.0385	0.0267	658.6800
Waste						0.0000	0.0000		0.0000	0.0000	284.8836	0.0000	284.8836	16.8361	0.0000	705.7871
Water						0.0000	0.0000		0.0000	0.0000	24.7424	276.9689	301.7114	2.5647	0.0628	384.5539
Total	9.2826	1.9544	15.8460	0.0169	0.9554	0.1960	1.1514	0.2550	0.1958	0.4508	309.6260	4,391.7537	4,701.3798	19.6328	0.1392	5,233.6838

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	29.56	4.27	32.17	51.58	0.00	85.16	49.42	0.00	85.18	71.39	29.11	-0.33	2.34	1.87	2.72	2.30

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2023	5/16/2025	5	620	
2	Site Preparation	Site Preparation	5/19/2025	2/20/2026	5	200	
3	Grading	Grading	2/23/2026	1/21/2028	5	500	

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4	Building Construction	Building Construction	1/24/2028	2/10/2045	5	4450
5	Architectural Coating	Architectural Coating	1/26/2037	9/8/2045	5	2250
6	Paving	Paving	2/6/2045	9/1/2045	5	150

Acres of Grading (Site Preparation Phase): 300

Acres of Grading (Grading Phase): 1500

Acres of Paving: 0

Residential Indoor: 4,363,065; Residential Outdoor: 1,454,355; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	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
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42

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Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	2,207.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	431.00	128.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	86.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1001	0.0000	0.1001	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2950	2.7930	2.5536	5.0500e-003		0.1297	0.1297		0.1206	0.1206	0.0000	441.8969	441.8969	0.1238	0.0000	444.9908
Total	0.2950	2.7930	2.5536	5.0500e-003	0.1001	0.1297	0.2298	0.0152	0.1206	0.1358	0.0000	441.8969	441.8969	0.1238	0.0000	444.9908

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.4000e-004	0.0580	0.0190	2.6000e-004	7.9400e-003	3.6000e-004	8.3000e-003	2.1800e-003	3.4000e-004	2.5200e-003	0.0000	26.8590	26.8590	2.7100e-003	4.3100e-003	28.2107
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5100e-003	3.9400e-003	0.0569	1.8000e-004	0.0214	1.1000e-004	0.0215	5.6800e-003	1.0000e-004	5.7900e-003	0.0000	16.4803	16.4803	3.8000e-004	3.9000e-004	16.6069
Total	6.4500e-003	0.0620	0.0759	4.4000e-004	0.0294	4.7000e-004	0.0298	7.8600e-003	4.4000e-004	8.3100e-003	0.0000	43.3393	43.3393	3.0900e-003	4.7000e-003	44.8176

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

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0451	0.0000	0.0451	6.8200e-003	0.0000	6.8200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1640	4.2463	3.2076	5.0500e-003		0.1188	0.1188		0.1188	0.1188	0.0000	441.8964	441.8964	0.1238	0.0000	444.9903
Total	0.1640	4.2463	3.2076	5.0500e-003	0.0451	0.1188	0.1638	6.8200e-003	0.1188	0.1256	0.0000	441.8964	441.8964	0.1238	0.0000	444.9903

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.4000e-004	0.0580	0.0190	2.6000e-004	7.9400e-003	3.6000e-004	8.3000e-003	2.1800e-003	3.4000e-004	2.5200e-003	0.0000	26.8590	26.8590	2.7100e-003	4.3100e-003	28.2107
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5100e-003	3.9400e-003	0.0569	1.8000e-004	0.0214	1.1000e-004	0.0215	5.6800e-003	1.0000e-004	5.7900e-003	0.0000	16.4803	16.4803	3.8000e-004	3.9000e-004	16.6069
Total	6.4500e-003	0.0620	0.0759	4.4000e-004	0.0294	4.7000e-004	0.0298	7.8600e-003	4.4000e-004	8.3100e-003	0.0000	43.3393	43.3393	3.0900e-003	4.7000e-003	44.8176

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

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1009	0.0000	0.1009	0.0153	0.0000	0.0153	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2939	2.7350	2.5817	5.0900e-003		0.1258	0.1258		0.1169	0.1169	0.0000	445.3482	445.3482	0.1246	0.0000	448.4633
Total	0.2939	2.7350	2.5817	5.0900e-003	0.1009	0.1258	0.2267	0.0153	0.1169	0.1322	0.0000	445.3482	445.3482	0.1246	0.0000	448.4633

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.4000e-004	0.0581	0.0196	2.6000e-004	8.0100e-003	3.7000e-004	8.3800e-003	2.2000e-003	3.6000e-004	2.5500e-003	0.0000	26.6949	26.6949	2.7600e-003	4.2900e-003	28.0409
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2300e-003	3.5600e-003	0.0535	1.7000e-004	0.0216	1.1000e-004	0.0217	5.7300e-003	1.0000e-004	5.8300e-003	0.0000	16.2085	16.2085	3.5000e-004	3.7000e-004	16.3275
Total	6.1700e-003	0.0616	0.0730	4.3000e-004	0.0296	4.8000e-004	0.0301	7.9300e-003	4.6000e-004	8.3800e-003	0.0000	42.9033	42.9033	3.1100e-003	4.6600e-003	44.3684

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3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0454	0.0000	0.0454	6.8800e-003	0.0000	6.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1653	4.2790	3.2323	5.0900e-003		0.1197	0.1197		0.1197	0.1197	0.0000	445.3477	445.3477	0.1246	0.0000	448.4627
Total	0.1653	4.2790	3.2323	5.0900e-003	0.0454	0.1197	0.1651	6.8800e-003	0.1197	0.1266	0.0000	445.3477	445.3477	0.1246	0.0000	448.4627

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.4000e-004	0.0581	0.0196	2.6000e-004	8.0100e-003	3.7000e-004	8.3800e-003	2.2000e-003	3.6000e-004	2.5500e-003	0.0000	26.6949	26.6949	2.7600e-003	4.2900e-003	28.0409
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2300e-003	3.5600e-003	0.0535	1.7000e-004	0.0216	1.1000e-004	0.0217	5.7300e-003	1.0000e-004	5.8300e-003	0.0000	16.2085	16.2085	3.5000e-004	3.7000e-004	16.3275
Total	6.1700e-003	0.0616	0.0730	4.3000e-004	0.0296	4.8000e-004	0.0301	7.9300e-003	4.6000e-004	8.3800e-003	0.0000	42.9033	42.9033	3.1100e-003	4.6600e-003	44.3684

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

3.2 Demolition - 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					0.0378	0.0000	0.0378	5.7200e-003	0.0000	5.7200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1025	0.9406	0.9515	1.9000e-003		0.0418	0.0418		0.0388	0.0388	0.0000	166.5885	166.5885	0.0465	0.0000	167.7514
Total	0.1025	0.9406	0.9515	1.9000e-003	0.0378	0.0418	0.0795	5.7200e-003	0.0388	0.0445	0.0000	166.5885	166.5885	0.0465	0.0000	167.7514

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0215	7.4700e-003	9.0000e-005	2.9900e-003	1.4000e-004	3.1300e-003	8.2000e-004	1.3000e-004	9.6000e-004	0.0000	9.8146	9.8146	1.0500e-003	1.5800e-003	10.3106
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8500e-003	1.2100e-003	0.0188	6.0000e-005	8.0700e-003	4.0000e-005	8.1100e-003	2.1400e-003	4.0000e-005	2.1800e-003	0.0000	5.9149	5.9149	1.2000e-004	1.3000e-004	5.9567
Total	2.2000e-003	0.0227	0.0263	1.5000e-004	0.0111	1.8000e-004	0.0112	2.9600e-003	1.7000e-004	3.1400e-003	0.0000	15.7295	15.7295	1.1700e-003	1.7100e-003	16.2673

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3.2 Demolition - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0170	0.0000	0.0170	2.5700e-003	0.0000	2.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0618	1.6005	1.2090	1.9000e-003		0.0448	0.0448		0.0448	0.0448	0.0000	166.5883	166.5883	0.0465	0.0000	167.7512
Total	0.0618	1.6005	1.2090	1.9000e-003	0.0170	0.0448	0.0618	2.5700e-003	0.0448	0.0473	0.0000	166.5883	166.5883	0.0465	0.0000	167.7512

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0215	7.4700e-003	9.0000e-005	2.9900e-003	1.4000e-004	3.1300e-003	8.2000e-004	1.3000e-004	9.6000e-004	0.0000	9.8146	9.8146	1.0500e-003	1.5800e-003	10.3106
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8500e-003	1.2100e-003	0.0188	6.0000e-005	8.0700e-003	4.0000e-005	8.1100e-003	2.1400e-003	4.0000e-005	2.1800e-003	0.0000	5.9149	5.9149	1.2000e-004	1.3000e-004	5.9567
Total	2.2000e-003	0.0227	0.0263	1.5000e-004	0.0111	1.8000e-004	0.0112	2.9600e-003	1.7000e-004	3.1400e-003	0.0000	15.7295	15.7295	1.1700e-003	1.7100e-003	16.2673

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

3.3 Site Preparation - 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					1.6315	0.0000	1.6315	0.8265	0.0000	0.8265	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2015	2.0566	1.4598	3.1000e-003		0.0886	0.0886		0.0815	0.0815	0.0000	272.7559	272.7559	0.0882	0.0000	274.9613
Total	0.2015	2.0566	1.4598	3.1000e-003	1.6315	0.0886	1.7201	0.8265	0.0815	0.9080	0.0000	272.7559	272.7559	0.0882	0.0000	274.9613

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6900e-003	2.4100e-003	0.0376	1.2000e-004	0.0161	8.0000e-005	0.0162	4.2800e-003	7.0000e-005	4.3500e-003	0.0000	11.8056	11.8056	2.4000e-004	2.6000e-004	11.8890
Total	3.6900e-003	2.4100e-003	0.0376	1.2000e-004	0.0161	8.0000e-005	0.0162	4.2800e-003	7.0000e-005	4.3500e-003	0.0000	11.8056	11.8056	2.4000e-004	2.6000e-004	11.8890

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

3.3 Site Preparation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7342	0.0000	0.7342	0.3719	0.0000	0.3719	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0986	2.7483	1.8712	3.1000e-003		0.0771	0.0771		0.0771	0.0771	0.0000	272.7556	272.7556	0.0882	0.0000	274.9610
Total	0.0986	2.7483	1.8712	3.1000e-003	0.7342	0.0771	0.8113	0.3719	0.0771	0.4491	0.0000	272.7556	272.7556	0.0882	0.0000	274.9610

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6900e-003	2.4100e-003	0.0376	1.2000e-004	0.0161	8.0000e-005	0.0162	4.2800e-003	7.0000e-005	4.3500e-003	0.0000	11.8056	11.8056	2.4000e-004	2.6000e-004	11.8890
Total	3.6900e-003	2.4100e-003	0.0376	1.2000e-004	0.0161	8.0000e-005	0.0162	4.2800e-003	7.0000e-005	4.3500e-003	0.0000	11.8056	11.8056	2.4000e-004	2.6000e-004	11.8890

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

3.3 Site Preparation - 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					
Fugitive Dust					0.4933	0.0000	0.4933	0.2009	0.0000	0.2009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0458	0.4668	0.3314	7.0000e-004		0.0201	0.0201		0.0185	0.0185	0.0000	61.9139	61.9139	0.0200	0.0000	62.4145
Total	0.0458	0.4668	0.3314	7.0000e-004	0.4933	0.0201	0.5134	0.2009	0.0185	0.2194	0.0000	61.9139	61.9139	0.0200	0.0000	62.4145

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	5.0000e-004	8.0800e-003	3.0000e-005	3.6600e-003	2.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.6186	2.6186	5.0000e-005	6.0000e-005	2.6365
Total	7.9000e-004	5.0000e-004	8.0800e-003	3.0000e-005	3.6600e-003	2.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.6186	2.6186	5.0000e-005	6.0000e-005	2.6365

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

3.3 Site Preparation - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2220	0.0000	0.2220	0.0904	0.0000	0.0904	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0224	0.6238	0.4248	7.0000e-004		0.0175	0.0175		0.0175	0.0175	0.0000	61.9139	61.9139	0.0200	0.0000	62.4145
Total	0.0224	0.6238	0.4248	7.0000e-004	0.2220	0.0175	0.2395	0.0904	0.0175	0.1079	0.0000	61.9139	61.9139	0.0200	0.0000	62.4145

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	5.0000e-004	8.0800e-003	3.0000e-005	3.6600e-003	2.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.6186	2.6186	5.0000e-005	6.0000e-005	2.6365
Total	7.9000e-004	5.0000e-004	8.0800e-003	3.0000e-005	3.6600e-003	2.0000e-005	3.6700e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.6186	2.6186	5.0000e-005	6.0000e-005	2.6365

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

3.4 Grading - 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					
Fugitive Dust					1.4699	0.0000	1.4699	0.4566	0.0000	0.4566	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3249	3.1296	2.9491	6.9500e-003		0.1267	0.1267		0.1165	0.1165	0.0000	610.4696	610.4696	0.1974	0.0000	615.4055
Total	0.3249	3.1296	2.9491	6.9500e-003	1.4699	0.1267	1.5965	0.4566	0.1165	0.5732	0.0000	610.4696	610.4696	0.1974	0.0000	615.4055

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3500e-003	3.3700e-003	0.0544	1.8000e-004	0.0246	1.1000e-004	0.0247	6.5300e-003	1.0000e-004	6.6300e-003	0.0000	17.6148	17.6148	3.3000e-004	3.8000e-004	17.7352
Total	5.3500e-003	3.3700e-003	0.0544	1.8000e-004	0.0246	1.1000e-004	0.0247	6.5300e-003	1.0000e-004	6.6300e-003	0.0000	17.6148	17.6148	3.3000e-004	3.8000e-004	17.7352

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

3.4 Grading - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6614	0.0000	0.6614	0.2055	0.0000	0.2055	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2028	5.7387	4.1129	6.9500e-003		0.1493	0.1493		0.1493	0.1493	0.0000	610.4689	610.4689	0.1974	0.0000	615.4048
Total	0.2028	5.7387	4.1129	6.9500e-003	0.6614	0.1493	0.8108	0.2055	0.1493	0.3548	0.0000	610.4689	610.4689	0.1974	0.0000	615.4048

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3500e-003	3.3700e-003	0.0544	1.8000e-004	0.0246	1.1000e-004	0.0247	6.5300e-003	1.0000e-004	6.6300e-003	0.0000	17.6148	17.6148	3.3000e-004	3.8000e-004	17.7352
Total	5.3500e-003	3.3700e-003	0.0544	1.8000e-004	0.0246	1.1000e-004	0.0247	6.5300e-003	1.0000e-004	6.6300e-003	0.0000	17.6148	17.6148	3.3000e-004	3.8000e-004	17.7352

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3.4 Grading - 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					
Fugitive Dust					1.5813	0.0000	1.5813	0.5179	0.0000	0.5179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3786	3.6466	3.4362	8.1000e-003		0.1476	0.1476		0.1358	0.1358	0.0000	711.3061	711.3061	0.2301	0.0000	717.0573
Total	0.3786	3.6466	3.4362	8.1000e-003	1.5813	0.1476	1.7288	0.5179	0.1358	0.6536	0.0000	711.3061	711.3061	0.2301	0.0000	717.0573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9200e-003	3.6200e-003	0.0604	2.1000e-004	0.0287	1.2000e-004	0.0288	7.6100e-003	1.1000e-004	7.7200e-003	0.0000	20.0984	20.0984	3.5000e-004	4.2000e-004	20.2320
Total	5.9200e-003	3.6200e-003	0.0604	2.1000e-004	0.0287	1.2000e-004	0.0288	7.6100e-003	1.1000e-004	7.7200e-003	0.0000	20.0984	20.0984	3.5000e-004	4.2000e-004	20.2320

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3.4 Grading - 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	tons/yr										MT/yr					
Fugitive Dust					0.7116	0.0000	0.7116	0.2330	0.0000	0.2330	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2363	6.6866	4.7923	8.1000e-003		0.1740	0.1740		0.1740	0.1740	0.0000	711.3052	711.3052	0.2301	0.0000	717.0565
Total	0.2363	6.6866	4.7923	8.1000e-003	0.7116	0.1740	0.8856	0.2330	0.1740	0.4070	0.0000	711.3052	711.3052	0.2301	0.0000	717.0565

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9200e-003	3.6200e-003	0.0604	2.1000e-004	0.0287	1.2000e-004	0.0288	7.6100e-003	1.1000e-004	7.7200e-003	0.0000	20.0984	20.0984	3.5000e-004	4.2000e-004	20.2320
Total	5.9200e-003	3.6200e-003	0.0604	2.1000e-004	0.0287	1.2000e-004	0.0288	7.6100e-003	1.1000e-004	7.7200e-003	0.0000	20.0984	20.0984	3.5000e-004	4.2000e-004	20.2320

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

3.4 Grading - 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					
Fugitive Dust					0.8405	0.0000	0.8405	0.1107	0.0000	0.1107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0218	0.2096	0.1975	4.7000e-004		8.4800e-003	8.4800e-003		7.8000e-003	7.8000e-003	0.0000	40.8797	40.8797	0.0132	0.0000	41.2102
Total	0.0218	0.2096	0.1975	4.7000e-004	0.8405	8.4800e-003	0.8490	0.1107	7.8000e-003	0.1185	0.0000	40.8797	40.8797	0.0132	0.0000	41.2102

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	1.9000e-004	3.3200e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.1338	1.1338	2.0000e-005	2.0000e-005	1.1411
Total	3.2000e-004	1.9000e-004	3.3200e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.1338	1.1338	2.0000e-005	2.0000e-005	1.1411

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3.4 Grading - 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	tons/yr										MT/yr					
Fugitive Dust					0.3782	0.0000	0.3782	0.0498	0.0000	0.0498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0136	0.3843	0.2754	4.7000e-004		0.0100	0.0100		0.0100	0.0100	0.0000	40.8796	40.8796	0.0132	0.0000	41.2101
Total	0.0136	0.3843	0.2754	4.7000e-004	0.3782	0.0100	0.3882	0.0498	0.0100	0.0598	0.0000	40.8796	40.8796	0.0132	0.0000	41.2101

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	1.9000e-004	3.3200e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.1338	1.1338	2.0000e-005	2.0000e-005	1.1411
Total	3.2000e-004	1.9000e-004	3.3200e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.1338	1.1338	2.0000e-005	2.0000e-005	1.1411

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3.5 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	0.1675	1.5275	1.9704	3.3000e-003		0.0646	0.0646		0.0608	0.0608	0.0000	284.1013	284.1013	0.0668	0.0000	285.7709
Total	0.1675	1.5275	1.9704	3.3000e-003		0.0646	0.0646		0.0608	0.0608	0.0000	284.1013	284.1013	0.0668	0.0000	285.7709

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0145	0.5589	0.2267	2.5400e-003	0.0988	2.9500e-003	0.1017	0.0285	2.8300e-003	0.0313	0.0000	255.6603	255.6603	0.0176	0.0374	267.2553
Worker	0.1140	0.0680	1.1703	4.1200e-003	0.5796	2.3100e-003	0.5819	0.1539	2.1200e-003	0.1561	0.0000	399.0708	399.0708	6.5800e-003	8.1300e-003	401.6581
Total	0.1285	0.6269	1.3970	6.6600e-003	0.6784	5.2600e-003	0.6837	0.1824	4.9500e-003	0.1874	0.0000	654.7311	654.7311	0.0241	0.0456	668.9134

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	tons/yr										MT/yr					
Off-Road	0.1324	2.8854	2.1895	3.3000e-003		0.1107	0.1107		0.1107	0.1107	0.0000	284.1010	284.1010	0.0668	0.0000	285.7706
Total	0.1324	2.8854	2.1895	3.3000e-003		0.1107	0.1107		0.1107	0.1107	0.0000	284.1010	284.1010	0.0668	0.0000	285.7706

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0145	0.5589	0.2267	2.5400e-003	0.0988	2.9500e-003	0.1017	0.0285	2.8300e-003	0.0313	0.0000	255.6603	255.6603	0.0176	0.0374	267.2553
Worker	0.1140	0.0680	1.1703	4.1200e-003	0.5796	2.3100e-003	0.5819	0.1539	2.1200e-003	0.1561	0.0000	399.0708	399.0708	6.5800e-003	8.1300e-003	401.6581
Total	0.1285	0.6269	1.3970	6.6600e-003	0.6784	5.2600e-003	0.6837	0.1824	4.9500e-003	0.1874	0.0000	654.7311	654.7311	0.0241	0.0456	668.9134

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0153	0.5915	0.2414	2.6500e-003	0.1052	3.1300e-003	0.1084	0.0304	3.0000e-003	0.0334	0.0000	267.0410	267.0410	0.0189	0.0392	279.2045
Worker	0.1154	0.0676	1.1996	4.2900e-003	0.6175	2.2900e-003	0.6198	0.1640	2.1100e-003	0.1661	0.0000	418.0884	418.0884	6.5000e-003	8.3600e-003	420.7408
Total	0.1307	0.6591	1.4410	6.9400e-003	0.7227	5.4200e-003	0.7281	0.1943	5.1100e-003	0.1994	0.0000	685.1294	685.1294	0.0254	0.0476	699.9453

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	tons/yr										MT/yr					
Off-Road	0.1411	3.0739	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.1411	3.0739	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0153	0.5915	0.2414	2.6500e-003	0.1052	3.1300e-003	0.1084	0.0304	3.0000e-003	0.0334	0.0000	267.0410	267.0410	0.0189	0.0392	279.2045
Worker	0.1154	0.0676	1.1996	4.2900e-003	0.6175	2.2900e-003	0.6198	0.1640	2.1100e-003	0.1661	0.0000	418.0884	418.0884	6.5000e-003	8.3600e-003	420.7408
Total	0.1307	0.6591	1.4410	6.9400e-003	0.7227	5.4200e-003	0.7281	0.1943	5.1100e-003	0.1994	0.0000	685.1294	685.1294	0.0254	0.0476	699.9453

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0151	0.5877	0.2412	2.6000e-003	0.1052	3.1200e-003	0.1084	0.0304	2.9800e-003	0.0333	0.0000	261.9407	261.9407	0.0190	0.0386	273.9204
Worker	0.1096	0.0635	1.1590	4.2000e-003	0.6175	2.1500e-003	0.6196	0.1640	1.9700e-003	0.1660	0.0000	411.9857	411.9857	6.0500e-003	8.1000e-003	414.5495
Total	0.1247	0.6512	1.4002	6.8000e-003	0.7227	5.2700e-003	0.7280	0.1943	4.9500e-003	0.1993	0.0000	673.9264	673.9264	0.0250	0.0467	688.4699

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	tons/yr										MT/yr					
Off-Road	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0151	0.5877	0.2412	2.6000e-003	0.1052	3.1200e-003	0.1084	0.0304	2.9800e-003	0.0333	0.0000	261.9407	261.9407	0.0190	0.0386	273.9204
Worker	0.1096	0.0635	1.1590	4.2000e-003	0.6175	2.1500e-003	0.6196	0.1640	1.9700e-003	0.1660	0.0000	411.9857	411.9857	6.0500e-003	8.1000e-003	414.5495
Total	0.1247	0.6512	1.4002	6.8000e-003	0.7227	5.2700e-003	0.7280	0.1943	4.9500e-003	0.1993	0.0000	673.9264	673.9264	0.0250	0.0467	688.4699

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0149	0.5822	0.2413	2.5400e-003	0.1052	3.0500e-003	0.1083	0.0304	2.9100e-003	0.0333	0.0000	256.4429	256.4429	0.0191	0.0379	268.2197
Worker	0.1037	0.0598	1.1236	4.1100e-003	0.6175	2.0000e-003	0.6195	0.1640	1.8400e-003	0.1658	0.0000	405.9670	405.9670	5.6400e-003	7.8700e-003	408.4519
Total	0.1186	0.6419	1.3649	6.6500e-003	0.7227	5.0500e-003	0.7277	0.1943	4.7500e-003	0.1991	0.0000	662.4099	662.4099	0.0248	0.0458	676.6716

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	tons/yr										MT/yr					
Off-Road	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0149	0.5822	0.2413	2.5400e-003	0.1052	3.0500e-003	0.1083	0.0304	2.9100e-003	0.0333	0.0000	256.4429	256.4429	0.0191	0.0379	268.2197
Worker	0.1037	0.0598	1.1236	4.1100e-003	0.6175	2.0000e-003	0.6195	0.1640	1.8400e-003	0.1658	0.0000	405.9670	405.9670	5.6400e-003	7.8700e-003	408.4519
Total	0.1186	0.6419	1.3649	6.6500e-003	0.7227	5.0500e-003	0.7277	0.1943	4.7500e-003	0.1991	0.0000	662.4099	662.4099	0.0248	0.0458	676.6716

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0148	0.5815	0.2427	2.5100e-003	0.1056	3.0500e-003	0.1087	0.0305	2.9100e-003	0.0334	0.0000	253.1305	253.1305	0.0193	0.0375	264.7974
Worker	0.0988	0.0569	1.0965	4.0600e-003	0.6198	1.8900e-003	0.6217	0.1646	1.7400e-003	0.1663	0.0000	402.8633	402.8633	5.3000e-003	7.7100e-003	405.2933
Total	0.1136	0.6384	1.3391	6.5700e-003	0.7255	4.9400e-003	0.7304	0.1951	4.6500e-003	0.1997	0.0000	655.9938	655.9938	0.0246	0.0452	670.0907

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	tons/yr										MT/yr					
Off-Road	0.1416	3.0856	2.3415	4.0600e-003		0.1184	0.1184		0.1184	0.1184	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929
Total	0.1416	3.0856	2.3415	4.0600e-003		0.1184	0.1184		0.1184	0.1184	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0148	0.5815	0.2427	2.5100e-003	0.1056	3.0500e-003	0.1087	0.0305	2.9100e-003	0.0334	0.0000	253.1305	253.1305	0.0193	0.0375	264.7974
Worker	0.0988	0.0569	1.0965	4.0600e-003	0.6198	1.8900e-003	0.6217	0.1646	1.7400e-003	0.1663	0.0000	402.8633	402.8633	5.3000e-003	7.7100e-003	405.2933
Total	0.1136	0.6384	1.3391	6.5700e-003	0.7255	4.9400e-003	0.7304	0.1951	4.6500e-003	0.1997	0.0000	655.9938	655.9938	0.0246	0.0452	670.0907

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0146	0.5745	0.2414	2.4500e-003	0.1048	3.0100e-003	0.1078	0.0302	2.8800e-003	0.0331	0.0000	247.3145	247.3145	0.0193	0.0368	258.7523
Worker	0.0934	0.0540	1.0612	3.9600e-003	0.6151	1.7600e-003	0.6169	0.1634	1.6200e-003	0.1650	0.0000	395.7784	395.7784	4.9500e-003	7.5000e-003	398.1370
Total	0.1079	0.6285	1.3026	6.4100e-003	0.7199	4.7700e-003	0.7247	0.1936	4.5000e-003	0.1981	0.0000	643.0929	643.0929	0.0242	0.0443	656.8893

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	tons/yr										MT/yr					
Off-Road	0.1405	3.0621	2.3236	4.0200e-003		0.1175	0.1175		0.1175	0.1175	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.1405	3.0621	2.3236	4.0200e-003		0.1175	0.1175		0.1175	0.1175	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0146	0.5745	0.2414	2.4500e-003	0.1048	3.0100e-003	0.1078	0.0302	2.8800e-003	0.0331	0.0000	247.3145	247.3145	0.0193	0.0368	258.7523
Worker	0.0934	0.0540	1.0612	3.9600e-003	0.6151	1.7600e-003	0.6169	0.1634	1.6200e-003	0.1650	0.0000	395.7784	395.7784	4.9500e-003	7.5000e-003	398.1370
Total	0.1079	0.6285	1.3026	6.4100e-003	0.7199	4.7700e-003	0.7247	0.1936	4.5000e-003	0.1981	0.0000	643.0929	643.0929	0.0242	0.0443	656.8893

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0145	0.5718	0.2419	2.4100e-003	0.1048	2.9900e-003	0.1078	0.0302	2.8600e-003	0.0331	0.0000	243.6765	243.6765	0.0194	0.0363	254.9812
Worker	0.0891	0.0519	1.0369	3.9100e-003	0.6151	1.6600e-003	0.6168	0.1634	1.5300e-003	0.1649	0.0000	392.3070	392.3070	4.6700e-003	7.3700e-003	394.6213
Total	0.1036	0.6237	1.2788	6.3200e-003	0.7199	4.6500e-003	0.7246	0.1936	4.3900e-003	0.1980	0.0000	635.9835	635.9835	0.0240	0.0437	649.6025

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 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	tons/yr										MT/yr					
Off-Road	0.1405	3.0621	2.3236	4.0200e-003		0.1175	0.1175		0.1175	0.1175	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.1405	3.0621	2.3236	4.0200e-003		0.1175	0.1175		0.1175	0.1175	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0145	0.5718	0.2419	2.4100e-003	0.1048	2.9900e-003	0.1078	0.0302	2.8600e-003	0.0331	0.0000	243.6765	243.6765	0.0194	0.0363	254.9812
Worker	0.0891	0.0519	1.0369	3.9100e-003	0.6151	1.6600e-003	0.6168	0.1634	1.5300e-003	0.1649	0.0000	392.3070	392.3070	4.6700e-003	7.3700e-003	394.6213
Total	0.1036	0.6237	1.2788	6.3200e-003	0.7199	4.6500e-003	0.7246	0.1936	4.3900e-003	0.1980	0.0000	635.9835	635.9835	0.0240	0.0437	649.6025

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

3.5 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	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0144	0.5714	0.2432	2.3800e-003	0.1052	2.9900e-003	0.1082	0.0304	2.8600e-003	0.0332	0.0000	241.2755	241.2755	0.0195	0.0360	252.4990
Worker	0.0857	0.0505	1.0203	3.8800e-003	0.6175	1.5800e-003	0.6190	0.1640	1.4500e-003	0.1654	0.0000	390.8789	390.8789	4.4500e-003	7.3000e-003	393.1667
Total	0.1001	0.6219	1.2634	6.2600e-003	0.7227	4.5700e-003	0.7273	0.1943	4.3100e-003	0.1986	0.0000	632.1544	632.1544	0.0239	0.0433	645.6657

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

3.5 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	tons/yr										MT/yr					
Off-Road	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0144	0.5714	0.2432	2.3800e-003	0.1052	2.9900e-003	0.1082	0.0304	2.8600e-003	0.0332	0.0000	241.2755	241.2755	0.0195	0.0360	252.4990
Worker	0.0857	0.0505	1.0203	3.8800e-003	0.6175	1.5800e-003	0.6190	0.1640	1.4500e-003	0.1654	0.0000	390.8789	390.8789	4.4500e-003	7.3000e-003	393.1667
Total	0.1001	0.6219	1.2634	6.2600e-003	0.7227	4.5700e-003	0.7273	0.1943	4.3100e-003	0.1986	0.0000	632.1544	632.1544	0.0239	0.0433	645.6657

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

3.5 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	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686
Total	0.1594	0.9381	2.1114	4.0600e-003		0.0118	0.0118		0.0118	0.0118	0.0000	344.3479	344.3479	0.0128	0.0000	344.6686

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0144	0.5736	0.2441	2.3900e-003	0.1056	3.0000e-003	0.1086	0.0305	2.8700e-003	0.0333	0.0000	242.1999	242.1999	0.0196	0.0362	253.4664
Worker	0.0860	0.0507	1.0242	3.8900e-003	0.6198	1.5800e-003	0.6214	0.1646	1.4600e-003	0.1661	0.0000	392.3765	392.3765	4.4700e-003	7.3300e-003	394.6731
Total	0.1004	0.6243	1.2683	6.2800e-003	0.7255	4.5800e-003	0.7300	0.1951	4.3300e-003	0.1994	0.0000	634.5765	634.5765	0.0240	0.0435	648.1395

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

3.5 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	tons/yr										MT/yr					
Off-Road	0.1416	3.0856	2.3415	4.0600e-003		0.1184	0.1184		0.1184	0.1184	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682
Total	0.1416	3.0856	2.3415	4.0600e-003		0.1184	0.1184		0.1184	0.1184	0.0000	344.3475	344.3475	0.0128	0.0000	344.6682

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0144	0.5736	0.2441	2.3900e-003	0.1056	3.0000e-003	0.1086	0.0305	2.8700e-003	0.0333	0.0000	242.1999	242.1999	0.0196	0.0362	253.4664
Worker	0.0860	0.0507	1.0242	3.8900e-003	0.6198	1.5800e-003	0.6214	0.1646	1.4600e-003	0.1661	0.0000	392.3765	392.3765	4.4700e-003	7.3300e-003	394.6731
Total	0.1004	0.6243	1.2683	6.2800e-003	0.7255	4.5800e-003	0.7300	0.1951	4.3300e-003	0.1994	0.0000	634.5765	634.5765	0.0240	0.0435	648.1395

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

3.5 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	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0144	0.5714	0.2432	2.3800e-003	0.1052	2.9900e-003	0.1082	0.0304	2.8600e-003	0.0332	0.0000	241.2755	241.2755	0.0195	0.0360	252.4990
Worker	0.0857	0.0505	1.0203	3.8800e-003	0.6175	1.5800e-003	0.6190	0.1640	1.4500e-003	0.1654	0.0000	390.8789	390.8789	4.4500e-003	7.3000e-003	393.1667
Total	0.1001	0.6219	1.2634	6.2600e-003	0.7227	4.5700e-003	0.7273	0.1943	4.3100e-003	0.1986	0.0000	632.1544	632.1544	0.0239	0.0433	645.6657

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

3.5 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	tons/yr										MT/yr					
Off-Road	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0144	0.5714	0.2432	2.3800e-003	0.1052	2.9900e-003	0.1082	0.0304	2.8600e-003	0.0332	0.0000	241.2755	241.2755	0.0195	0.0360	252.4990
Worker	0.0857	0.0505	1.0203	3.8800e-003	0.6175	1.5800e-003	0.6190	0.1640	1.4500e-003	0.1654	0.0000	390.8789	390.8789	4.4500e-003	7.3000e-003	393.1667
Total	0.1001	0.6219	1.2634	6.2600e-003	0.7227	4.5700e-003	0.7273	0.1943	4.3100e-003	0.1986	0.0000	632.1544	632.1544	0.0239	0.0433	645.6657

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

3.5 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	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530
Total	0.1588	0.9346	2.1034	4.0400e-003		0.0118	0.0118		0.0118	0.0118	0.0000	343.0336	343.0336	0.0128	0.0000	343.3530

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0144	0.5714	0.2432	2.3800e-003	0.1052	2.9900e-003	0.1082	0.0304	2.8600e-003	0.0332	0.0000	241.2755	241.2755	0.0195	0.0360	252.4990
Worker	0.0857	0.0505	1.0203	3.8800e-003	0.6175	1.5800e-003	0.6190	0.1640	1.4500e-003	0.1654	0.0000	390.8789	390.8789	4.4500e-003	7.3000e-003	393.1667
Total	0.1001	0.6219	1.2634	6.2600e-003	0.7227	4.5700e-003	0.7273	0.1943	4.3100e-003	0.1986	0.0000	632.1544	632.1544	0.0239	0.0433	645.6657

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

3.5 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	tons/yr										MT/yr					
Off-Road	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526
Total	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0128	0.0000	343.3526

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0144	0.5714	0.2432	2.3800e-003	0.1052	2.9900e-003	0.1082	0.0304	2.8600e-003	0.0332	0.0000	241.2755	241.2755	0.0195	0.0360	252.4990
Worker	0.0857	0.0505	1.0203	3.8800e-003	0.6175	1.5800e-003	0.6190	0.1640	1.4500e-003	0.1654	0.0000	390.8789	390.8789	4.4500e-003	7.3000e-003	393.1667
Total	0.1001	0.6219	1.2634	6.2600e-003	0.7227	4.5700e-003	0.7273	0.1943	4.3100e-003	0.1986	0.0000	632.1544	632.1544	0.0239	0.0433	645.6657

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

3.5 Building Construction - 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	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7193	341.7193	0.0127	0.0000	342.0375
Total	0.1582	0.9310	2.0953	4.0200e-003		0.0118	0.0118		0.0118	0.0118	0.0000	341.7193	341.7193	0.0127	0.0000	342.0375

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.5692	0.2422	2.3700e-003	0.1048	2.9800e-003	0.1078	0.0302	2.8500e-003	0.0331	0.0000	240.3511	240.3511	0.0194	0.0359	251.5316
Worker	0.0853	0.0503	1.0164	3.8600e-003	0.6151	1.5700e-003	0.6167	0.1634	1.4500e-003	0.1648	0.0000	389.3813	389.3813	4.4300e-003	7.2800e-003	391.6603
Total	0.0997	0.6195	1.2586	6.2300e-003	0.7199	4.5500e-003	0.7245	0.1936	4.3000e-003	0.1979	0.0000	629.7324	629.7324	0.0239	0.0432	643.1919

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.1405	3.0621	2.3236	4.0200e-003		0.1175	0.1175		0.1175	0.1175	0.0000	341.7189	341.7189	0.0127	0.0000	342.0371
Total	0.1405	3.0621	2.3236	4.0200e-003		0.1175	0.1175		0.1175	0.1175	0.0000	341.7189	341.7189	0.0127	0.0000	342.0371

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.5692	0.2422	2.3700e-003	0.1048	2.9800e-003	0.1078	0.0302	2.8500e-003	0.0331	0.0000	240.3511	240.3511	0.0194	0.0359	251.5316
Worker	0.0853	0.0503	1.0164	3.8600e-003	0.6151	1.5700e-003	0.6167	0.1634	1.4500e-003	0.1648	0.0000	389.3813	389.3813	4.4300e-003	7.2800e-003	391.6603
Total	0.0997	0.6195	1.2586	6.2300e-003	0.7199	4.5500e-003	0.7245	0.1936	4.3000e-003	0.1979	0.0000	629.7324	629.7324	0.0239	0.0432	643.1919

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 Building Construction - 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					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0139	0.5648	0.2436	2.2600e-003	0.1052	2.9600e-003	0.1082	0.0304	2.8300e-003	0.0332	0.0000	229.2437	229.2437	0.0194	0.0345	240.0002
Worker	0.0715	0.0456	0.9505	3.7300e-003	0.6175	1.2700e-003	0.6187	0.1640	1.1700e-003	0.1651	0.0000	381.6092	381.6092	3.6100e-003	7.0200e-003	383.7906
Total	0.0854	0.6104	1.1941	5.9900e-003	0.7227	4.2300e-003	0.7269	0.1943	4.0000e-003	0.1983	0.0000	610.8529	610.8529	0.0231	0.0415	623.7908

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0139	0.5648	0.2436	2.2600e-003	0.1052	2.9600e-003	0.1082	0.0304	2.8300e-003	0.0332	0.0000	229.2437	229.2437	0.0194	0.0345	240.0002
Worker	0.0715	0.0456	0.9505	3.7300e-003	0.6175	1.2700e-003	0.6187	0.1640	1.1700e-003	0.1651	0.0000	381.6092	381.6092	3.6100e-003	7.0200e-003	383.7906
Total	0.0854	0.6104	1.1941	5.9900e-003	0.7227	4.2300e-003	0.7269	0.1943	4.0000e-003	0.1983	0.0000	610.8529	610.8529	0.0231	0.0415	623.7908

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 Building Construction - 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					
Off-Road	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0139	0.5648	0.2436	2.2600e-003	0.1052	2.9600e-003	0.1082	0.0304	2.8300e-003	0.0332	0.0000	229.2437	229.2437	0.0194	0.0345	240.0002
Worker	0.0715	0.0456	0.9505	3.7300e-003	0.6175	1.2700e-003	0.6187	0.1640	1.1700e-003	0.1651	0.0000	381.6092	381.6092	3.6100e-003	7.0200e-003	383.7906
Total	0.0854	0.6104	1.1941	5.9900e-003	0.7227	4.2300e-003	0.7269	0.1943	4.0000e-003	0.1983	0.0000	610.8529	610.8529	0.0231	0.0415	623.7908

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

3.5 Building Construction - 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	tons/yr										MT/yr					
Off-Road	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0139	0.5648	0.2436	2.2600e-003	0.1052	2.9600e-003	0.1082	0.0304	2.8300e-003	0.0332	0.0000	229.2437	229.2437	0.0194	0.0345	240.0002
Worker	0.0715	0.0456	0.9505	3.7300e-003	0.6175	1.2700e-003	0.6187	0.1640	1.1700e-003	0.1651	0.0000	381.6092	381.6092	3.6100e-003	7.0200e-003	383.7906
Total	0.0854	0.6104	1.1941	5.9900e-003	0.7227	4.2300e-003	0.7269	0.1943	4.0000e-003	0.1983	0.0000	610.8529	610.8529	0.0231	0.0415	623.7908

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

3.5 Building Construction - 2042

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	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0139	0.5648	0.2436	2.2600e-003	0.1052	2.9600e-003	0.1082	0.0304	2.8300e-003	0.0332	0.0000	229.2437	229.2437	0.0194	0.0345	240.0002
Worker	0.0715	0.0456	0.9505	3.7300e-003	0.6175	1.2700e-003	0.6187	0.1640	1.1700e-003	0.1651	0.0000	381.6092	381.6092	3.6100e-003	7.0200e-003	383.7906
Total	0.0854	0.6104	1.1941	5.9900e-003	0.7227	4.2300e-003	0.7269	0.1943	4.0000e-003	0.1983	0.0000	610.8529	610.8529	0.0231	0.0415	623.7908

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

3.5 Building Construction - 2042

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0139	0.5648	0.2436	2.2600e-003	0.1052	2.9600e-003	0.1082	0.0304	2.8300e-003	0.0332	0.0000	229.2437	229.2437	0.0194	0.0345	240.0002
Worker	0.0715	0.0456	0.9505	3.7300e-003	0.6175	1.2700e-003	0.6187	0.1640	1.1700e-003	0.1651	0.0000	381.6092	381.6092	3.6100e-003	7.0200e-003	383.7906
Total	0.0854	0.6104	1.1941	5.9900e-003	0.7227	4.2300e-003	0.7269	0.1943	4.0000e-003	0.1983	0.0000	610.8529	610.8529	0.0231	0.0415	623.7908

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

3.5 Building Construction - 2043

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	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0139	0.5648	0.2436	2.2600e-003	0.1052	2.9600e-003	0.1082	0.0304	2.8300e-003	0.0332	0.0000	229.2437	229.2437	0.0194	0.0345	240.0002
Worker	0.0715	0.0456	0.9505	3.7300e-003	0.6175	1.2700e-003	0.6187	0.1640	1.1700e-003	0.1651	0.0000	381.6092	381.6092	3.6100e-003	7.0200e-003	383.7906
Total	0.0854	0.6104	1.1941	5.9900e-003	0.7227	4.2300e-003	0.7269	0.1943	4.0000e-003	0.1983	0.0000	610.8529	610.8529	0.0231	0.0415	623.7908

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

3.5 Building Construction - 2043

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0139	0.5648	0.2436	2.2600e-003	0.1052	2.9600e-003	0.1082	0.0304	2.8300e-003	0.0332	0.0000	229.2437	229.2437	0.0194	0.0345	240.0002
Worker	0.0715	0.0456	0.9505	3.7300e-003	0.6175	1.2700e-003	0.6187	0.1640	1.1700e-003	0.1651	0.0000	381.6092	381.6092	3.6100e-003	7.0200e-003	383.7906
Total	0.0854	0.6104	1.1941	5.9900e-003	0.7227	4.2300e-003	0.7269	0.1943	4.0000e-003	0.1983	0.0000	610.8529	610.8529	0.0231	0.0415	623.7908

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

3.5 Building Construction - 2044

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	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419
Total	0.1562	0.8992	2.1035	4.0400e-003		9.6200e-003	9.6200e-003		9.6200e-003	9.6200e-003	0.0000	343.0337	343.0337	0.0123	0.0000	343.3419

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0139	0.5648	0.2436	2.2600e-003	0.1052	2.9600e-003	0.1082	0.0304	2.8300e-003	0.0332	0.0000	229.2437	229.2437	0.0194	0.0345	240.0002
Worker	0.0715	0.0456	0.9505	3.7300e-003	0.6175	1.2700e-003	0.6187	0.1640	1.1700e-003	0.1651	0.0000	381.6092	381.6092	3.6100e-003	7.0200e-003	383.7906
Total	0.0854	0.6104	1.1941	5.9900e-003	0.7227	4.2300e-003	0.7269	0.1943	4.0000e-003	0.1983	0.0000	610.8529	610.8529	0.0231	0.0415	623.7908

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

3.5 Building Construction - 2044

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415
Total	0.1411	3.0739	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0333	343.0333	0.0123	0.0000	343.3415

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0139	0.5648	0.2436	2.2600e-003	0.1052	2.9600e-003	0.1082	0.0304	2.8300e-003	0.0332	0.0000	229.2437	229.2437	0.0194	0.0345	240.0002
Worker	0.0715	0.0456	0.9505	3.7300e-003	0.6175	1.2700e-003	0.6187	0.1640	1.1700e-003	0.1651	0.0000	381.6092	381.6092	3.6100e-003	7.0200e-003	383.7906
Total	0.0854	0.6104	1.1941	5.9900e-003	0.7227	4.2300e-003	0.7269	0.1943	4.0000e-003	0.1983	0.0000	610.8529	610.8529	0.0231	0.0415	623.7908

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.5 Building Construction - 2045

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	0.0180	0.1034	0.2418	4.6000e-004		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	39.4292	39.4292	1.4200e-003	0.0000	39.4646
Total	0.0180	0.1034	0.2418	4.6000e-004		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	39.4292	39.4292	1.4200e-003	0.0000	39.4646

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5700e-003	0.0647	0.0279	2.5000e-004	0.0121	3.4000e-004	0.0124	3.4900e-003	3.3000e-004	3.8100e-003	0.0000	25.6159	25.6159	2.2000e-003	3.8700e-003	26.8232
Worker	7.4700e-003	5.0400e-003	0.1057	4.2000e-004	0.0710	1.3000e-004	0.0711	0.0189	1.2000e-004	0.0190	0.0000	43.4149	43.4149	3.7000e-004	7.9000e-004	43.6610
Total	9.0400e-003	0.0697	0.1336	6.7000e-004	0.0831	4.7000e-004	0.0835	0.0223	4.5000e-004	0.0228	0.0000	69.0309	69.0309	2.5700e-003	4.6600e-003	70.4842

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

3.5 Building Construction - 2045

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	0.0162	0.3533	0.2681	4.6000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	39.4291	39.4291	1.4200e-003	0.0000	39.4645
Total	0.0162	0.3533	0.2681	4.6000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	39.4291	39.4291	1.4200e-003	0.0000	39.4645

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5700e-003	0.0647	0.0279	2.5000e-004	0.0121	3.4000e-004	0.0124	3.4900e-003	3.3000e-004	3.8100e-003	0.0000	25.6159	25.6159	2.2000e-003	3.8700e-003	26.8232
Worker	7.4700e-003	5.0400e-003	0.1057	4.2000e-004	0.0710	1.3000e-004	0.0711	0.0189	1.2000e-004	0.0190	0.0000	43.4149	43.4149	3.7000e-004	7.9000e-004	43.6610
Total	9.0400e-003	0.0697	0.1336	6.7000e-004	0.0831	4.7000e-004	0.0835	0.0223	4.5000e-004	0.0228	0.0000	69.0309	69.0309	2.5700e-003	4.6600e-003	70.4842

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.6 Architectural Coating - 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					
Archit. Coating	0.7310					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.0924	0.2189	3.6000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003	0.0000	31.1497	31.1497	1.1500e-003	0.0000	31.1785
Total	0.7454	0.0924	0.2189	3.6000e-004		1.2100e-003	1.2100e-003		1.2100e-003	1.2100e-003	0.0000	31.1497	31.1497	1.1500e-003	0.0000	31.1785

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	9.4200e-003	0.1903	7.2000e-004	0.1152	2.9000e-004	0.1155	0.0306	2.7000e-004	0.0309	0.0000	72.9143	72.9143	8.3000e-004	1.3600e-003	73.3411
Total	0.0160	9.4200e-003	0.1903	7.2000e-004	0.1152	2.9000e-004	0.1155	0.0306	2.7000e-004	0.0309	0.0000	72.9143	72.9143	8.3000e-004	1.3600e-003	73.3411

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

3.6 Architectural Coating - 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	tons/yr										MT/yr					
Archit. Coating	0.7310					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0139	0.2870	0.2236	3.6000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	31.1497	31.1497	1.1500e-003	0.0000	31.1784
Total	0.7449	0.2870	0.2236	3.6000e-004		0.0116	0.0116		0.0116	0.0116	0.0000	31.1497	31.1497	1.1500e-003	0.0000	31.1784

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	9.4200e-003	0.1903	7.2000e-004	0.1152	2.9000e-004	0.1155	0.0306	2.7000e-004	0.0309	0.0000	72.9143	72.9143	8.3000e-004	1.3600e-003	73.3411
Total	0.0160	9.4200e-003	0.1903	7.2000e-004	0.1152	2.9000e-004	0.1155	0.0306	2.7000e-004	0.0309	0.0000	72.9143	72.9143	8.3000e-004	1.3600e-003	73.3411

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.6 Architectural Coating - 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					
Archit. Coating	0.7820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0154	0.0989	0.2342	3.9000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	33.3200	33.3200	1.2300e-003	0.0000	33.3507
Total	0.7973	0.0989	0.2342	3.9000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	33.3200	33.3200	1.2300e-003	0.0000	33.3507

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0171	0.0101	0.2036	7.7000e-004	0.1232	3.1000e-004	0.1235	0.0327	2.9000e-004	0.0330	0.0000	77.9944	77.9944	8.9000e-004	1.4600e-003	78.4509
Total	0.0171	0.0101	0.2036	7.7000e-004	0.1232	3.1000e-004	0.1235	0.0327	2.9000e-004	0.0330	0.0000	77.9944	77.9944	8.9000e-004	1.4600e-003	78.4509

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

3.6 Architectural Coating - 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	tons/yr										MT/yr					
Archit. Coating	0.7820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.3070	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.2300e-003	0.0000	33.3507
Total	0.7968	0.3070	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.2300e-003	0.0000	33.3507

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0171	0.0101	0.2036	7.7000e-004	0.1232	3.1000e-004	0.1235	0.0327	2.9000e-004	0.0330	0.0000	77.9944	77.9944	8.9000e-004	1.4600e-003	78.4509
Total	0.0171	0.0101	0.2036	7.7000e-004	0.1232	3.1000e-004	0.1235	0.0327	2.9000e-004	0.0330	0.0000	77.9944	77.9944	8.9000e-004	1.4600e-003	78.4509

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

3.6 Architectural Coating - 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					
Archit. Coating	0.7790					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.0985	0.2333	3.9000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	33.1923	33.1923	1.2300e-003	0.0000	33.2230
Total	0.7943	0.0985	0.2333	3.9000e-004		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	33.1923	33.1923	1.2300e-003	0.0000	33.2230

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0170	0.0100	0.2028	7.7000e-004	0.1227	3.1000e-004	0.1231	0.0326	2.9000e-004	0.0329	0.0000	77.6956	77.6956	8.8000e-004	1.4500e-003	78.1503
Total	0.0170	0.0100	0.2028	7.7000e-004	0.1227	3.1000e-004	0.1231	0.0326	2.9000e-004	0.0329	0.0000	77.6956	77.6956	8.8000e-004	1.4500e-003	78.1503

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

3.6 Architectural Coating - 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	tons/yr										MT/yr					
Archit. Coating	0.7790					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0148	0.3058	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.2300e-003	0.0000	33.2229
Total	0.7938	0.3058	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.2300e-003	0.0000	33.2229

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0170	0.0100	0.2028	7.7000e-004	0.1227	3.1000e-004	0.1231	0.0326	2.9000e-004	0.0329	0.0000	77.6956	77.6956	8.8000e-004	1.4500e-003	78.1503
Total	0.0170	0.0100	0.2028	7.7000e-004	0.1227	3.1000e-004	0.1231	0.0326	2.9000e-004	0.0329	0.0000	77.6956	77.6956	8.8000e-004	1.4500e-003	78.1503

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Archit. Coating	0.7820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.0949	0.2339	3.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	33.3200	33.3200	1.1700e-003	0.0000	33.3493
Total	0.7969	0.0949	0.2339	3.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	33.3200	33.3200	1.1700e-003	0.0000	33.3493

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800
Total	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Archit. Coating	0.7820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.3070	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.1700e-003	0.0000	33.3492
Total	0.7968	0.3070	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.1700e-003	0.0000	33.3492

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800
Total	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Archit. Coating	0.7820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.0949	0.2339	3.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	33.3200	33.3200	1.1700e-003	0.0000	33.3493
Total	0.7969	0.0949	0.2339	3.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	33.3200	33.3200	1.1700e-003	0.0000	33.3493

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800
Total	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	tons/yr										MT/yr					
Archit. Coating	0.7820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.3070	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.1700e-003	0.0000	33.3492
Total	0.7968	0.3070	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.1700e-003	0.0000	33.3492

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800
Total	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.6 Architectural Coating - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.0949	0.2339	3.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	33.3200	33.3200	1.1700e-003	0.0000	33.3493
Total	0.7969	0.0949	0.2339	3.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	33.3200	33.3200	1.1700e-003	0.0000	33.3493

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800
Total	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.6 Architectural Coating - 2042

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.3070	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.1700e-003	0.0000	33.3492
Total	0.7968	0.3070	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.1700e-003	0.0000	33.3492

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800
Total	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.6 Architectural Coating - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.0949	0.2339	3.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	33.3200	33.3200	1.1700e-003	0.0000	33.3493
Total	0.7969	0.0949	0.2339	3.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	33.3200	33.3200	1.1700e-003	0.0000	33.3493

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800
Total	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.6 Architectural Coating - 2043

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.3070	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.1700e-003	0.0000	33.3492
Total	0.7968	0.3070	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.1700e-003	0.0000	33.3492

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800
Total	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.6 Architectural Coating - 2044

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.0949	0.2339	3.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	33.3200	33.3200	1.1700e-003	0.0000	33.3493
Total	0.7969	0.0949	0.2339	3.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	33.3200	33.3200	1.1700e-003	0.0000	33.3493

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800
Total	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.6 Architectural Coating - 2044

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7820					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.3070	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.1700e-003	0.0000	33.3492
Total	0.7968	0.3070	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.1700e-003	0.0000	33.3492

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800
Total	0.0143	9.1000e-003	0.1897	7.4000e-004	0.1232	2.5000e-004	0.1235	0.0327	2.3000e-004	0.0330	0.0000	76.1448	76.1448	7.2000e-004	1.4000e-003	76.5800

Laguna Woods General Plan and Zoning Update Project - Orange County, Annual

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

3.6 Architectural Coating - 2045

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5393					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.0654	0.1613	2.7000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	22.9793	22.9793	8.1000e-004	0.0000	22.9995
Total	0.5496	0.0654	0.1613	2.7000e-004		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	22.9793	22.9793	8.1000e-004	0.0000	22.9995

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9400e-003	6.0300e-003	0.1265	5.0000e-004	0.0850	1.6000e-004	0.0851	0.0226	1.4000e-004	0.0227	0.0000	51.9771	51.9771	4.5000e-004	9.5000e-004	52.2716
Total	8.9400e-003	6.0300e-003	0.1265	5.0000e-004	0.0850	1.6000e-004	0.0851	0.0226	1.4000e-004	0.0227	0.0000	51.9771	51.9771	4.5000e-004	9.5000e-004	52.2716

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3.6 Architectural Coating - 2045

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5393					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.2117	0.1649	2.7000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	22.9793	22.9793	8.1000e-004	0.0000	22.9995
Total	0.5495	0.2117	0.1649	2.7000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	22.9793	22.9793	8.1000e-004	0.0000	22.9995

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9400e-003	6.0300e-003	0.1265	5.0000e-004	0.0850	1.6000e-004	0.0851	0.0226	1.4000e-004	0.0227	0.0000	51.9771	51.9771	4.5000e-004	9.5000e-004	52.2716
Total	8.9400e-003	6.0300e-003	0.1265	5.0000e-004	0.0850	1.6000e-004	0.0851	0.0226	1.4000e-004	0.0227	0.0000	51.9771	51.9771	4.5000e-004	9.5000e-004	52.2716

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3.7 Paving - 2045

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	0.0758	0.2742	1.1863	2.1000e-003		8.7300e-003	8.7300e-003		8.7300e-003	8.7300e-003	0.0000	180.7464	180.7464	6.0700e-003	0.0000	180.8982
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0758	0.2742	1.1863	2.1000e-003		8.7300e-003	8.7300e-003		8.7300e-003	8.7300e-003	0.0000	180.7464	180.7464	6.0700e-003	0.0000	180.8982

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	8.8000e-004	0.0184	7.0000e-005	0.0124	2.0000e-005	0.0124	3.2800e-003	2.0000e-005	3.3000e-003	0.0000	7.5548	7.5548	6.0000e-005	1.4000e-004	7.5976
Total	1.3000e-003	8.8000e-004	0.0184	7.0000e-005	0.0124	2.0000e-005	0.0124	3.2800e-003	2.0000e-005	3.3000e-003	0.0000	7.5548	7.5548	6.0000e-005	1.4000e-004	7.5976

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3.7 Paving - 2045

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	0.0698	1.5086	1.2972	2.1000e-003		0.0500	0.0500		0.0500	0.0500	0.0000	180.7462	180.7462	6.0700e-003	0.0000	180.8980
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0698	1.5086	1.2972	2.1000e-003		0.0500	0.0500		0.0500	0.0500	0.0000	180.7462	180.7462	6.0700e-003	0.0000	180.8980

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-003	8.8000e-004	0.0184	7.0000e-005	0.0124	2.0000e-005	0.0124	3.2800e-003	2.0000e-005	3.3000e-003	0.0000	7.5548	7.5548	6.0000e-005	1.4000e-004	7.5976
Total	1.3000e-003	8.8000e-004	0.0184	7.0000e-005	0.0124	2.0000e-005	0.0124	3.2800e-003	2.0000e-005	3.3000e-003	0.0000	7.5548	7.5548	6.0000e-005	1.4000e-004	7.5976

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2749	0.2710	2.9000	6.3900e-003	0.9554	2.8900e-003	0.9583	0.2550	2.7000e-003	0.2577	0.0000	649.7722	649.7722	0.0385	0.0267	658.6800
Unmitigated	0.2749	0.2710	2.9000	6.3900e-003	0.9554	2.8900e-003	0.9583	0.2550	2.7000e-003	0.2577	0.0000	649.7722	649.7722	0.0385	0.0267	658.6800

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	742.14	742.14	742.14	2,536,005	2,536,005
Total	742.14	742.14	742.14	2,536,005	2,536,005

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
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.550761	0.065856	0.179366	0.118816	0.024700	0.007586	0.015311	0.004749	0.000700	0.000340	0.027741	0.000733	0.003342

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,659.6446	1,659.6446	0.1401	0.0170	1,668.2064
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,659.6446	1,659.6446	0.1401	0.0170	1,668.2064
NaturalGas Mitigated	0.1543	1.3181	0.5609	8.4100e-003		0.1066	0.1066		0.1066	0.1066	0.0000	1,526.5041	1,526.5041	0.0293	0.0280	1,535.5754
NaturalGas Unmitigated	0.1543	1.3181	0.5609	8.4100e-003		0.1066	0.1066		0.1066	0.1066	0.0000	1,526.5041	1,526.5041	0.0293	0.0280	1,535.5754

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	2.86056e+007	0.1543	1.3181	0.5609	8.4100e-003		0.1066	0.1066		0.1066	0.1066	0.0000	1,526.5041	1,526.5041	0.0293	0.0280	1,535.5754
Total		0.1543	1.3181	0.5609	8.4100e-003		0.1066	0.1066		0.1066	0.1066	0.0000	1,526.5041	1,526.5041	0.0293	0.0280	1,535.5754

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					
Single Family Housing	2.86056e+007	0.1543	1.3181	0.5609	8.4100e-003		0.1066	0.1066		0.1066	0.1066	0.0000	1,526.5041	1,526.5041	0.0293	0.0280	1,535.5754
Total		0.1543	1.3181	0.5609	8.4100e-003		0.1066	0.1066		0.1066	0.1066	0.0000	1,526.5041	1,526.5041	0.0293	0.0280	1,535.5754

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	9.35825e+006	1,659,644 6	0.1401	0.0170	1,668.206 4
Total		1,659,644 6	0.1401	0.0170	1,668.206 4

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	9.35825e+006	1,659,644 6	0.1401	0.0170	1,668.206 4
Total		1,659,644 6	0.1401	0.0170	1,668.206 4

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

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	ROG	NOx	CO	SO2	Fugitive 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	8.8535	0.3652	12.3851	2.0800e-003		0.0865	0.0865		0.0865	0.0865	0.0000	278.8639	278.8639	0.0242	4.7400e-003	280.8810
Unmitigated	12.7480	0.4523	19.8992	0.0201		1.2114	1.2114		1.2114	1.2114	127.1442	264.4917	391.6359	0.3984	8.6300e-003	404.1666

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6741					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.7857					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.9207	0.3105	7.6092	0.0194		1.1430	1.1430		1.1430	1.1430	127.1442	244.3275	371.4718	0.3792	8.6300e-003	383.5226
Landscaping	0.3676	0.1419	12.2900	6.5000e-004		0.0685	0.0685		0.0685	0.0685	0.0000	20.1641	20.1641	0.0192	0.0000	20.6439
Total	12.7480	0.4523	19.8992	0.0201		1.2114	1.2114		1.2114	1.2114	127.1442	264.4917	391.6359	0.3984	8.6300e-003	404.1666

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6741					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.7857					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0261	0.2234	0.0951	1.4300e-003		0.0181	0.0181		0.0181	0.0181	0.0000	258.6997	258.6997	4.9600e-003	4.7400e-003	260.2371
Landscaping	0.3676	0.1419	12.2900	6.5000e-004		0.0685	0.0685		0.0685	0.0685	0.0000	20.1641	20.1641	0.0192	0.0000	20.6439
Total	8.8535	0.3652	12.3851	2.0800e-003		0.0865	0.0865		0.0865	0.0865	0.0000	278.8639	278.8639	0.0242	4.7400e-003	280.8810

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	301.7114	2.5647	0.0628	384.5539
Unmitigated	301.7114	2.5647	0.0628	384.5539

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	77.9894 / 49.1672	301.7114	2.5647	0.0628	384.5539
Total		301.7114	2.5647	0.0628	384.5539

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	77.9894 / 49.1672	301.7114	2.5647	0.0628	384.5539
Total		301.7114	2.5647	0.0628	384.5539

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	284.8836	16.8361	0.0000	705.7871
Unmitigated	284.8836	16.8361	0.0000	705.7871

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	1403.43	284.8836	16.8361	0.0000	705.7871
Total		284.8836	16.8361	0.0000	705.7871

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	1403.43	284.8836	16.8361	0.0000	705.7871
Total		284.8836	16.8361	0.0000	705.7871

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Equipment Type	Number
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11.0 Vegetation

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