

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

**Annexation GPA Loma Linda: County GPA
San Bernardino-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	13.00	Dwelling Unit	4.22	23,400.00	37
Other Non-Asphalt Surfaces	62.46	Acre	62.46	2,720,757.60	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	531.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use -
- Construction Phase -
- Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
------------	-------------	---------------	-----------

2.0 Emissions Summary

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	6.3771	34.5652	58.5310	0.2109	19.8582	1.4256	21.1252	10.1558	1.3115	11.3215	0.0000	21,639.98 62	21,639.98 62	1.9491	1.5552	22,131.19 88
2024	5.9654	32.6720	55.8824	0.2068	15.6846	0.7903	16.4749	4.2248	0.7441	4.9688	0.0000	21,218.45 96	21,218.45 96	1.0740	1.5167	21,697.27 01
2025	5.5798	31.3264	53.3021	0.2018	15.6845	0.7013	16.3858	4.2248	0.6604	4.8852	0.0000	20,707.80 02	20,707.80 02	1.0394	1.4733	21,172.82 80
2026	5.3356	30.9821	51.2174	0.1972	15.6845	0.6976	16.3821	4.2247	0.6569	4.8817	0.0000	20,233.74 44	20,233.74 44	1.0115	1.4331	20,686.09 72
2027	5.1114	30.6715	49.4314	0.1929	15.6845	0.6935	16.3779	4.2247	0.6531	4.8778	0.0000	19,783.44 35	19,783.44 35	0.9862	1.3945	20,223.66 83
2028	12.8295	30.4197	47.9416	0.1889	15.6844	0.6894	16.3739	4.2247	0.6494	4.8741	0.0000	19,371.64 98	19,371.64 98	0.9648	1.3589	19,800.72 56
Maximum	12.8295	34.5652	58.5310	0.2109	19.8582	1.4256	21.1252	10.1558	1.3115	11.3215	0.0000	21,639.98 62	21,639.98 62	1.9491	1.5552	22,131.19 88

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.1137	0.2821	7.6896	0.0169		0.9990	0.9990		0.9990	0.9990	121.7699	235.9449	357.7148	0.3650	8.2600e-003	369.3035
Energy	0.0109	0.0929	0.0395	5.9000e-004		7.5100e-003	7.5100e-003		7.5100e-003	7.5100e-003		118.5271	118.5271	2.2700e-003	2.1700e-003	119.2314
Mobile	0.3573	0.5589	3.5742	8.2700e-003	0.8949	6.7200e-003	0.9016	0.2387	6.2900e-003	0.2450		843.7835	843.7835	0.0483	0.0426	857.6888
Total	5.4819	0.9339	11.3033	0.0258	0.8949	1.0132	1.9081	0.2387	1.0128	1.2515	121.7699	1,198.2554	1,320.0254	0.4156	0.0530	1,346.2237

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.1137	0.2821	7.6896	0.0169		0.9990	0.9990		0.9990	0.9990	121.7699	235.9449	357.7148	0.3650	8.2600e-003	369.3035
Energy	0.0109	0.0929	0.0395	5.9000e-004		7.5100e-003	7.5100e-003		7.5100e-003	7.5100e-003		118.5271	118.5271	2.2700e-003	2.1700e-003	119.2314
Mobile	0.3573	0.5589	3.5742	8.2700e-003	0.8949	6.7200e-003	0.9016	0.2387	6.2900e-003	0.2450		843.7835	843.7835	0.0483	0.0426	857.6888
Total	5.4819	0.9339	11.3033	0.0258	0.8949	1.0132	1.9081	0.2387	1.0128	1.2515	121.7699	1,198.2554	1,320.0254	0.4156	0.0530	1,346.2237

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/11/2023	6/5/2023	5	40	
2	Grading	Grading	6/6/2023	11/6/2023	5	110	
3	Building Construction	Building Construction	11/7/2023	2/7/2028	5	1110	
4	Paving	Paving	2/8/2028	5/22/2028	5	75	
5	Architectural Coating	Architectural Coating	5/23/2028	9/4/2028	5	75	

Acres of Grading (Site Preparation Phase): 60

Acres of Grading (Grading Phase): 330

Acres of Paving: 62.46

Residential Indoor: 47,385; Residential Outdoor: 15,795; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 163,245 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	7.00	231	0.29
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	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	1,147.00	447.00	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
Architectural Coating	1	229.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.2 Site Preparation - 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	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0678	0.0446	0.5572	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		164.5459	164.5459	4.4000e-003	4.4600e-003	165.9859
Total	0.0678	0.0446	0.5572	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		164.5459	164.5459	4.4000e-003	4.4600e-003	165.9859

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.2 Site Preparation - 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	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	8.8457	1.2660	10.1117	4.5461	1.1647	5.7108	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0678	0.0446	0.5572	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		164.5459	164.5459	4.4000e-003	4.4600e-003	165.9859
Total	0.0678	0.0446	0.5572	1.6300e-003	0.2012	9.9000e-004	0.2022	0.0534	9.1000e-004	0.0543		164.5459	164.5459	4.4000e-003	4.4600e-003	165.9859

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.3 Grading - 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	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	9.2036	1.4245	10.6281	3.6538	1.3105	4.9643		6,011.4777	6,011.4777	1.9442		6,060.0836

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0753	0.0496	0.6191	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0100e-003	0.0603		182.8288	182.8288	4.8900e-003	4.9600e-003	184.4288
Total	0.0753	0.0496	0.6191	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0100e-003	0.0603		182.8288	182.8288	4.8900e-003	4.9600e-003	184.4288

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.3 Grading - 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	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	4.1416	1.4245	5.5661	1.6442	1.3105	2.9547	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0753	0.0496	0.6191	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0100e-003	0.0603		182.8288	182.8288	4.8900e-003	4.9600e-003	184.4288
Total	0.0753	0.0496	0.6191	1.8100e-003	0.2236	1.1000e-003	0.2247	0.0593	1.0100e-003	0.0603		182.8288	182.8288	4.8900e-003	4.9600e-003	184.4288

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4868	16.5608	6.7820	0.0802	2.8638	0.1183	2.9821	0.8246	0.1132	0.9378		8,599.5470	8,599.5470	0.2224	1.2708	8,983.8003
Worker	4.3176	2.8435	35.5050	0.1037	12.8208	0.0632	12.8839	3.4001	0.0581	3.4583		10,485.2292	10,485.2292	0.2803	0.2844	10,576.9925
Total	4.8043	19.4043	42.2870	0.1839	15.6846	0.1815	15.8660	4.2248	0.1713	4.3961		19,084.7763	19,084.7763	0.5027	1.5552	19,560.7927

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 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	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4868	16.5608	6.7820	0.0802	2.8638	0.1183	2.9821	0.8246	0.1132	0.9378		8,599.5470	8,599.5470	0.2224	1.2708	8,983.8003
Worker	4.3176	2.8435	35.5050	0.1037	12.8208	0.0632	12.8839	3.4001	0.0581	3.4583		10,485.2292	10,485.2292	0.2803	0.2844	10,576.9925
Total	4.8043	19.4043	42.2870	0.1839	15.6846	0.1815	15.8660	4.2248	0.1713	4.3961		19,084.7763	19,084.7763	0.5027	1.5552	19,560.7927

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2024

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4746	16.7061	6.6709	0.0791	2.8638	0.1165	2.9803	0.8246	0.1114	0.9361		8,481.2426	8,481.2426	0.2156	1.2531	8,860.0500
Worker	4.0192	2.5221	33.0446	0.1007	12.8208	0.0606	12.8813	3.4001	0.0557	3.4559		10,181.5181	10,181.5181	0.2541	0.2636	10,266.4124
Total	4.4938	19.2283	39.7155	0.1798	15.6846	0.1770	15.8616	4.2248	0.1672	4.3919		18,662.7607	18,662.7607	0.4696	1.5167	19,126.4624

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4746	16.7061	6.6709	0.0791	2.8638	0.1165	2.9803	0.8246	0.1114	0.9361		8,481.2426	8,481.2426	0.2156	1.2531	8,860.0500
Worker	4.0192	2.5221	33.0446	0.1007	12.8208	0.0606	12.8813	3.4001	0.0557	3.4559		10,181.5181	10,181.5181	0.2541	0.2636	10,266.4124
Total	4.4938	19.2283	39.7155	0.1798	15.6846	0.1770	15.8616	4.2248	0.1672	4.3919		18,662.7607	18,662.7607	0.4696	1.5167	19,126.4624

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2025

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4647	16.6074	6.5676	0.0776	2.8638	0.1163	2.9801	0.8246	0.1113	0.9359		8,316.549 2	8,316.549 2	0.2094	1.2280	8,687.734 4
Worker	3.7477	2.2493	30.6499	0.0973	12.8208	0.0575	12.8782	3.4001	0.0529	3.4530		9,834.776 6	9,834.776 6	0.2291	0.2453	9,913.595 5
Total	4.2124	18.8568	37.2174	0.1749	15.6845	0.1738	15.8583	4.2248	0.1642	4.3889		18,151.32 59	18,151.32 59	0.4384	1.4733	18,601.32 99

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4647	16.6074	6.5676	0.0776	2.8638	0.1163	2.9801	0.8246	0.1113	0.9359		8,316.549 2	8,316.549 2	0.2094	1.2280	8,687.734 4
Worker	3.7477	2.2493	30.6499	0.0973	12.8208	0.0575	12.8782	3.4001	0.0529	3.4530		9,834.776 6	9,834.776 6	0.2291	0.2453	9,913.595 5
Total	4.2124	18.8568	37.2174	0.1749	15.6845	0.1738	15.8583	4.2248	0.1642	4.3889		18,151.32 59	18,151.32 59	0.4384	1.4733	18,601.32 99

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2026

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4559	16.4859	6.4812	0.0760	2.8637	0.1156	2.9793	0.8246	0.1106	0.9352		8,151.429 3	8,151.429 3	0.2029	1.2029	8,514.960 0
Worker	3.5124	2.0265	28.6516	0.0942	12.8208	0.0544	12.8752	3.4001	0.0501	3.4502		9,525.840 8	9,525.840 8	0.2077	0.2302	9,599.639 1
Total	3.9682	18.5124	35.1328	0.1703	15.6845	0.1700	15.8545	4.2247	0.1607	4.3854		17,677.27 00	17,677.27 00	0.4106	1.4331	18,114.59 91

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4559	16.4859	6.4812	0.0760	2.8637	0.1156	2.9793	0.8246	0.1106	0.9352		8,151.429 3	8,151.429 3	0.2029	1.2029	8,514.960 0
Worker	3.5124	2.0265	28.6516	0.0942	12.8208	0.0544	12.8752	3.4001	0.0501	3.4502		9,525.840 8	9,525.840 8	0.2077	0.2302	9,599.639 1
Total	3.9682	18.5124	35.1328	0.1703	15.6845	0.1700	15.8545	4.2247	0.1607	4.3854		17,677.27 00	17,677.27 00	0.4106	1.4331	18,114.59 91

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2027

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4483	16.3634	6.4071	0.0744	2.8637	0.1148	2.9785	0.8246	0.1098	0.9344		7,979.204 2	7,979.204 2	0.1961	1.1769	8,334.833 9
Worker	3.2958	1.8384	26.9397	0.0915	12.8208	0.0511	12.8719	3.4001	0.0471	3.4472		9,247.765 0	9,247.765 0	0.1892	0.2176	9,317.336 3
Total	3.7440	18.2018	33.3468	0.1659	15.6845	0.1659	15.8504	4.2247	0.1569	4.3816		17,226.96 92	17,226.96 92	0.3852	1.3945	17,652.17 02

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4483	16.3634	6.4071	0.0744	2.8637	0.1148	2.9785	0.8246	0.1098	0.9344		7,979.204 2	7,979.204 2	0.1961	1.1769	8,334.833 9
Worker	3.2958	1.8384	26.9397	0.0915	12.8208	0.0511	12.8719	3.4001	0.0471	3.4472		9,247.765 0	9,247.765 0	0.1892	0.2176	9,317.336 3
Total	3.7440	18.2018	33.3468	0.1659	15.6845	0.1659	15.8504	4.2247	0.1569	4.3816		17,226.96 92	17,226.96 92	0.3852	1.3945	17,652.17 02

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2028

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4421	16.2695	6.3486	0.0729	2.8637	0.1141	2.9778	0.8246	0.1092	0.9338		7,814.682 8	7,814.682 8	0.1906	1.1519	8,162.701 3
Worker	3.0948	1.6805	25.5083	0.0890	12.8208	0.0477	12.8685	3.4001	0.0439	3.4440		9,000.492 7	9,000.492 7	0.1733	0.2071	9,066.526 3
Total	3.5369	17.9501	31.8569	0.1620	15.6844	0.1619	15.8463	4.2247	0.1531	4.3778		16,815.17 54	16,815.17 54	0.3639	1.3589	17,229.22 76

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.4421	16.2695	6.3486	0.0729	2.8637	0.1141	2.9778	0.8246	0.1092	0.9338		7,814.682 8	7,814.682 8	0.1906	1.1519	8,162.701 3
Worker	3.0948	1.6805	25.5083	0.0890	12.8208	0.0477	12.8685	3.4001	0.0439	3.4440		9,000.492 7	9,000.492 7	0.1733	0.2071	9,066.526 3
Total	3.5369	17.9501	31.8569	0.1620	15.6844	0.1619	15.8463	4.2247	0.1531	4.3778		16,815.17 54	16,815.17 54	0.3639	1.3589	17,229.22 76

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.5 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0405	0.0220	0.3336	1.1600e-003	0.1677	6.2000e-004	0.1683	0.0445	5.7000e-004	0.0450		117.7048	117.7048	2.2700e-003	2.7100e-003	118.5684
Total	0.0405	0.0220	0.3336	1.1600e-003	0.1677	6.2000e-004	0.1683	0.0445	5.7000e-004	0.0450		117.7048	117.7048	2.2700e-003	2.7100e-003	118.5684

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.5 Paving - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0405	0.0220	0.3336	1.1600e-003	0.1677	6.2000e-004	0.1683	0.0445	5.7000e-004	0.0450		117.7048	117.7048	2.2700e-003	2.7100e-003	118.5684
Total	0.0405	0.0220	0.3336	1.1600e-003	0.1677	6.2000e-004	0.1683	0.0445	5.7000e-004	0.0450		117.7048	117.7048	2.2700e-003	2.7100e-003	118.5684

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.0408					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	12.2117	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.6179	0.3355	5.0928	0.0178	2.5597	9.5300e-003	2.5692	0.6788	8.7700e-003	0.6876		1,796.9597	1,796.9597	0.0346	0.0413	1,810.1434
Total	0.6179	0.3355	5.0928	0.0178	2.5597	9.5300e-003	2.5692	0.6788	8.7700e-003	0.6876		1,796.9597	1,796.9597	0.0346	0.0413	1,810.1434

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.0408					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	12.2117	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.6179	0.3355	5.0928	0.0178	2.5597	9.5300e-003	2.5692	0.6788	8.7700e-003	0.6876		1,796.9597	1,796.9597	0.0346	0.0413	1,810.1434
Total	0.6179	0.3355	5.0928	0.0178	2.5597	9.5300e-003	2.5692	0.6788	8.7700e-003	0.6876		1,796.9597	1,796.9597	0.0346	0.0413	1,810.1434

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3573	0.5589	3.5742	8.2700e-003	0.8949	6.7200e-003	0.9016	0.2387	6.2900e-003	0.2450		843.7835	843.7835	0.0483	0.0426	857.6888
Unmitigated	0.3573	0.5589	3.5742	8.2700e-003	0.8949	6.7200e-003	0.9016	0.2387	6.2900e-003	0.2450		843.7835	843.7835	0.0483	0.0426	857.6888

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	122.72	124.02	111.15	414,339	414,339
Total	122.72	124.02	111.15	414,339	414,339

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
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Single Family Housing	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0109	0.0929	0.0395	5.9000e-004		7.5100e-003	7.5100e-003		7.5100e-003	7.5100e-003		118.5271	118.5271	2.2700e-003	2.1700e-003	119.2314
NaturalGas Unmitigated	0.0109	0.0929	0.0395	5.9000e-004		7.5100e-003	7.5100e-003		7.5100e-003	7.5100e-003		118.5271	118.5271	2.2700e-003	2.1700e-003	119.2314

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1007.48	0.0109	0.0929	0.0395	5.9000e-004		7.5100e-003	7.5100e-003		7.5100e-003	7.5100e-003		118.5271	118.5271	2.2700e-003	2.1700e-003	119.2314
Total		0.0109	0.0929	0.0395	5.9000e-004		7.5100e-003	7.5100e-003		7.5100e-003	7.5100e-003		118.5271	118.5271	2.2700e-003	2.1700e-003	119.2314

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.00748	0.0109	0.0929	0.0395	5.9000e-004		7.5100e-003	7.5100e-003		7.5100e-003	7.5100e-003		118.5271	118.5271	2.2700e-003	2.1700e-003	119.2314
Total		0.0109	0.0929	0.0395	5.9000e-004		7.5100e-003	7.5100e-003		7.5100e-003	7.5100e-003		118.5271	118.5271	2.2700e-003	2.1700e-003	119.2314

6.0 Area Detail

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.1137	0.2821	7.6896	0.0169		0.9990	0.9990		0.9990	0.9990	121.7699	235.9449	357.7148	0.3650	8.2600e-003	369.3035
Unmitigated	5.1137	0.2821	7.6896	0.0169		0.9990	0.9990		0.9990	0.9990	121.7699	235.9449	357.7148	0.3650	8.2600e-003	369.3035

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.4065	0.2697	6.6112	0.0169		0.9931	0.9931		0.9931	0.9931	121.7699	234.0000	355.7699	0.3631	8.2600e-003	367.3114
Landscaping	0.0328	0.0124	1.0784	6.0000e-005		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		1.9449	1.9449	1.8900e-003		1.9921
Total	5.1137	0.2821	7.6896	0.0169		0.9990	0.9990		0.9990	0.9990	121.7699	235.9449	357.7148	0.3650	8.2600e-003	369.3035

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.4065	0.2697	6.6112	0.0169		0.9931	0.9931		0.9931	0.9931	121.7699	234.0000	355.7699	0.3631	8.2600e-003	367.3114
Landscaping	0.0328	0.0124	1.0784	6.0000e-005		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003		1.9449	1.9449	1.8900e-003		1.9921
Total	5.1137	0.2821	7.6896	0.0169		0.9990	0.9990		0.9990	0.9990	121.7699	235.9449	357.7148	0.3650	8.2600e-003	369.3035

7.0 Water Detail

7.1 Mitigation Measures Water

Annexation GPA Loma Linda: County GPA - San Bernardino-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation
