

TTM 20403 and 20404 - 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

TTM 20403 and 20404
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	126.00	Dwelling Unit	49.73	226,800.00	360
Other Asphalt Surfaces	15.11	Acre	15.11	658,191.60	0
Other Non-Asphalt Surfaces	1.83	Acre	1.83	79,714.80	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2025
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 - Per Site Plan
- Construction Phase -
- Vehicle Trips - Per TIA
- Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	40.91	49.73
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00

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tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	9.54	9.43
tblVehicleTrips	SU_TR	8.55	9.43
tblVehicleTrips	WD_TR	9.44	9.43

2.0 Emissions Summary

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	3.3970	34.5652	29.2660	0.0831	19.8582	1.4256	21.1252	10.1558	1.3115	11.3215	0.0000	8,378.3606	8,378.3606	1.9491	0.4690	8,537.1478
2024	2.8578	19.2325	28.3940	0.0818	4.8266	0.6670	5.4935	1.2996	0.6276	1.9271	0.0000	8,249.3852	8,249.3852	0.7476	0.4572	8,404.3265
2025	2.6666	18.1444	27.5397	0.0803	4.8266	0.5802	5.4068	1.2996	0.5460	1.8455	0.0000	8,093.4720	8,093.4720	0.7346	0.4440	8,244.1629
2026	2.5911	18.0390	26.8953	0.0789	4.8265	0.5791	5.4056	1.2996	0.5449	1.8445	0.0000	7,948.3563	7,948.3563	0.7260	0.4319	8,095.1988
2027	2.5218	17.9440	26.3433	0.0776	4.8265	0.5778	5.4043	1.2995	0.5437	1.8433	0.0000	7,810.6620	7,810.6620	0.7183	0.4202	7,953.8276
2028	22.0205	17.8670	25.8827	0.0764	4.8265	0.5765	5.4031	1.2995	0.5426	1.8421	0.0000	7,684.8109	7,684.8109	0.7160	0.4094	7,824.5999
Maximum	22.0205	34.5652	29.2660	0.0831	19.8582	1.4256	21.1252	10.1558	1.3115	11.3215	0.0000	8,378.3606	8,378.3606	1.9491	0.4690	8,537.1478

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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	38.5255	2.7339	74.4646	0.1640		9.6826	9.6826		9.6826	9.6826	1,180.2317	2,286.7213	3,466.9530	3.5376	0.0801	3,579.2649
Energy	0.1053	0.8999	0.3829	5.7400e-003		0.0728	0.0728		0.0728	0.0728		1,148.8008	1,148.8008	0.0220	0.0211	1,155.6275
Mobile	3.4677	5.5461	35.8981	0.0861	9.6564	0.0692	9.7256	2.5753	0.0647	2.6401		8,781.9240	8,781.9240	0.4800	0.4328	8,922.9026
Total	42.0986	9.1799	110.7456	0.2558	9.6564	9.8245	19.4809	2.5753	9.8201	12.3954	1,180.2317	12,217.4461	13,397.6778	4.0396	0.5340	13,657.7950

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	38.5255	2.7339	74.4646	0.1640		9.6826	9.6826		9.6826	9.6826	1,180.2317	2,286.7213	3,466.9530	3.5376	0.0801	3,579.2649
Energy	0.1053	0.8999	0.3829	5.7400e-003		0.0728	0.0728		0.0728	0.0728		1,148.8008	1,148.8008	0.0220	0.0211	1,155.6275
Mobile	3.4677	5.5461	35.8981	0.0861	9.6564	0.0692	9.7256	2.5753	0.0647	2.6401		8,781.9240	8,781.9240	0.4800	0.4328	8,922.9026
Total	42.0986	9.1799	110.7456	0.2558	9.6564	9.8245	19.4809	2.5753	9.8201	12.3954	1,180.2317	12,217.4461	13,397.6778	4.0396	0.5340	13,657.7950

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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
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: 16.94

Residential Indoor: 459,270; Residential Outdoor: 153,090; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 44,274 (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

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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	355.00	134.00	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	71.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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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

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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

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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

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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

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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	0.1459	4.9645	2.0331	0.0240	0.8585	0.0355	0.8940	0.2472	0.0339	0.2811		2,577.9403	2,577.9403	0.0667	0.3810	2,693.1303
Worker	1.3363	0.8801	10.9889	0.0321	3.9681	0.0195	3.9876	1.0524	0.0180	1.0703		3,245.2104	3,245.2104	0.0867	0.0880	3,273.6114
Total	1.4822	5.8446	13.0220	0.0562	4.8266	0.0550	4.8816	1.2996	0.0519	1.3515		5,823.1507	5,823.1507	0.1534	0.4690	5,966.7417

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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	0.1459	4.9645	2.0331	0.0240	0.8585	0.0355	0.8940	0.2472	0.0339	0.2811		2,577.9403	2,577.9403	0.0667	0.3810	2,693.1303
Worker	1.3363	0.8801	10.9889	0.0321	3.9681	0.0195	3.9876	1.0524	0.0180	1.0703		3,245.2104	3,245.2104	0.0867	0.0880	3,273.6114
Total	1.4822	5.8446	13.0220	0.0562	4.8266	0.0550	4.8816	1.2996	0.0519	1.3515		5,823.1507	5,823.1507	0.1534	0.4690	5,966.7417

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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	0.1423	5.0081	1.9998	0.0237	0.8585	0.0349	0.8934	0.2472	0.0334	0.2806		2,542.4754	2,542.4754	0.0646	0.3756	2,656.0329
Worker	1.2440	0.7806	10.2274	0.0312	3.9681	0.0187	3.9868	1.0524	0.0173	1.0696		3,151.2109	3,151.2109	0.0786	0.0816	3,177.4860
Total	1.3862	5.7887	12.2272	0.0549	4.8266	0.0537	4.8802	1.2996	0.0507	1.3502		5,693.6863	5,693.6863	0.1433	0.4572	5,833.5189

TTM 20403 and 20404 - 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	0.1423	5.0081	1.9998	0.0237	0.8585	0.0349	0.8934	0.2472	0.0334	0.2806		2,542.4754	2,542.4754	0.0646	0.3756	2,656.0329
Worker	1.2440	0.7806	10.2274	0.0312	3.9681	0.0187	3.9868	1.0524	0.0173	1.0696		3,151.2109	3,151.2109	0.0786	0.0816	3,177.4860
Total	1.3862	5.7887	12.2272	0.0549	4.8266	0.0537	4.8802	1.2996	0.0507	1.3502		5,693.6863	5,693.6863	0.1433	0.4572	5,833.5189

TTM 20403 and 20404 - 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	0.1393	4.9785	1.9688	0.0233	0.8585	0.0349	0.8934	0.2472	0.0334	0.2806		2,493.104 2	2,493.104 2	0.0628	0.3681	2,604.376 7
Worker	1.1599	0.6962	9.4862	0.0301	3.9681	0.0178	3.9859	1.0524	0.0164	1.0687		3,043.893 4	3,043.893 4	0.0709	0.0759	3,068.288 1
Total	1.2992	5.6747	11.4550	0.0534	4.8266	0.0527	4.8792	1.2996	0.0497	1.3493		5,536.997 6	5,536.997 6	0.1337	0.4440	5,672.664 8

TTM 20403 and 20404 - 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	0.1393	4.9785	1.9688	0.0233	0.8585	0.0349	0.8934	0.2472	0.0334	0.2806		2,493.104 2	2,493.104 2	0.0628	0.3681	2,604.376 7
Worker	1.1599	0.6962	9.4862	0.0301	3.9681	0.0178	3.9859	1.0524	0.0164	1.0687		3,043.893 4	3,043.893 4	0.0709	0.0759	3,068.288 1
Total	1.2992	5.6747	11.4550	0.0534	4.8266	0.0527	4.8792	1.2996	0.0497	1.3493		5,536.997 6	5,536.997 6	0.1337	0.4440	5,672.664 8

TTM 20403 and 20404 - 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	0.1367	4.9421	1.9429	0.0228	0.8585	0.0347	0.8931	0.2472	0.0332	0.2804		2,443.605 2	2,443.605 2	0.0608	0.3606	2,552.583 1
Worker	1.0871	0.6272	8.8678	0.0292	3.9681	0.0169	3.9849	1.0524	0.0155	1.0679		2,948.276 8	2,948.276 8	0.0643	0.0713	2,971.117 6
Total	1.2237	5.5693	10.8107	0.0520	4.8265	0.0515	4.8780	1.2996	0.0487	1.3482		5,391.882 0	5,391.882 0	0.1251	0.4319	5,523.700 7

TTM 20403 and 20404 - 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	0.1367	4.9421	1.9429	0.0228	0.8585	0.0347	0.8931	0.2472	0.0332	0.2804		2,443.605 2	2,443.605 2	0.0608	0.3606	2,552.583 1
Worker	1.0871	0.6272	8.8678	0.0292	3.9681	0.0169	3.9849	1.0524	0.0155	1.0679		2,948.276 8	2,948.276 8	0.0643	0.0713	2,971.117 6
Total	1.2237	5.5693	10.8107	0.0520	4.8265	0.0515	4.8780	1.2996	0.0487	1.3482		5,391.882 0	5,391.882 0	0.1251	0.4319	5,523.700 7

TTM 20403 and 20404 - 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	0.1344	4.9054	1.9207	0.0223	0.8585	0.0344	0.8929	0.2472	0.0329	0.2801		2,391.976 2	2,391.976 2	0.0588	0.3528	2,498.585 6
Worker	1.0201	0.5690	8.3379	0.0283	3.9681	0.0158	3.9839	1.0524	0.0146	1.0669		2,862.211 5	2,862.211 5	0.0585	0.0674	2,883.744 0
Total	1.1544	5.4743	10.2586	0.0506	4.8265	0.0502	4.8768	1.2995	0.0475	1.3470		5,254.187 7	5,254.187 7	0.1173	0.4202	5,382.329 6

TTM 20403 and 20404 - 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	0.1344	4.9054	1.9207	0.0223	0.8585	0.0344	0.8929	0.2472	0.0329	0.2801		2,391.976 2	2,391.976 2	0.0588	0.3528	2,498.585 6
Worker	1.0201	0.5690	8.3379	0.0283	3.9681	0.0158	3.9839	1.0524	0.0146	1.0669		2,862.211 5	2,862.211 5	0.0585	0.0674	2,883.744 0
Total	1.1544	5.4743	10.2586	0.0506	4.8265	0.0502	4.8768	1.2995	0.0475	1.3470		5,254.187 7	5,254.187 7	0.1173	0.4202	5,382.329 6

TTM 20403 and 20404 - 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	0.1325	4.8772	1.9032	0.0219	0.8585	0.0342	0.8927	0.2472	0.0327	0.2799		2,342.656 6	2,342.656 6	0.0572	0.3453	2,446.984 3
Worker	0.9578	0.5201	7.8949	0.0276	3.9681	0.0148	3.9828	1.0524	0.0136	1.0659		2,785.679 9	2,785.679 9	0.0536	0.0641	2,806.117 6
Total	1.0904	5.3974	9.7981	0.0494	4.8265	0.0490	4.8755	1.2995	0.0463	1.3459		5,128.336 5	5,128.336 5	0.1108	0.4094	5,253.101 8

TTM 20403 and 20404 - 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	0.1325	4.8772	1.9032	0.0219	0.8585	0.0342	0.8927	0.2472	0.0327	0.2799		2,342.656 6	2,342.656 6	0.0572	0.3453	2,446.984 3
Worker	0.9578	0.5201	7.8949	0.0276	3.9681	0.0148	3.9828	1.0524	0.0136	1.0659		2,785.679 9	2,785.679 9	0.0536	0.0641	2,806.117 6
Total	1.0904	5.3974	9.7981	0.0494	4.8265	0.0490	4.8755	1.2995	0.0463	1.3459		5,128.336 5	5,128.336 5	0.1108	0.4094	5,253.101 8

TTM 20403 and 20404 - 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	0.5278					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4430	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

TTM 20403 and 20404 - 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	0.5278					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4430	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

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

3.6 Architectural Coating - 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	21.6581					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	21.8289	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	0.1916	0.1040	1.5790	5.5100e-003	0.7936	2.9500e-003	0.7966	0.2105	2.7200e-003	0.2132		557.1360	557.1360	0.0107	0.0128	561.2235
Total	0.1916	0.1040	1.5790	5.5100e-003	0.7936	2.9500e-003	0.7966	0.2105	2.7200e-003	0.2132		557.1360	557.1360	0.0107	0.0128	561.2235

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

3.6 Architectural Coating - 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	21.6581					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	21.8289	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	0.1916	0.1040	1.5790	5.5100e-003	0.7936	2.9500e-003	0.7966	0.2105	2.7200e-003	0.2132		557.1360	557.1360	0.0107	0.0128	561.2235
Total	0.1916	0.1040	1.5790	5.5100e-003	0.7936	2.9500e-003	0.7966	0.2105	2.7200e-003	0.2132		557.1360	557.1360	0.0107	0.0128	561.2235

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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	3.4677	5.5461	35.8981	0.0861	9.6564	0.0692	9.7256	2.5753	0.0647	2.6401		8,781.9240	8,781.9240	0.4800	0.4328	8,922.9026
Unmitigated	3.4677	5.5461	35.8981	0.0861	9.6564	0.0692	9.7256	2.5753	0.0647	2.6401		8,781.9240	8,781.9240	0.4800	0.4328	8,922.9026

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,188.18	1,188.18	1188.18	4,573,402	4,573,402
Total	1,188.18	1,188.18	1,188.18	4,573,402	4,573,402

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 Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
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	100	0	0

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.543085	0.056300	0.173085	0.134258	0.025645	0.007009	0.011926	0.017481	0.000552	0.000248	0.024848	0.000956	0.004606
Other Non-Asphalt Surfaces	0.543085	0.056300	0.173085	0.134258	0.025645	0.007009	0.011926	0.017481	0.000552	0.000248	0.024848	0.000956	0.004606
Single Family Housing	0.543085	0.056300	0.173085	0.134258	0.025645	0.007009	0.011926	0.017481	0.000552	0.000248	0.024848	0.000956	0.004606

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	0.1053	0.8999	0.3829	5.7400e-003		0.0728	0.0728		0.0728	0.0728		1,148.8008	1,148.8008	0.0220	0.0211	1,155.6275
NaturalGas Unmitigated	0.1053	0.8999	0.3829	5.7400e-003		0.0728	0.0728		0.0728	0.0728		1,148.8008	1,148.8008	0.0220	0.0211	1,155.6275

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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 - Natural Gas

Unmitigated

	Natural Gas 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 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
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	9764.81	0.1053	0.8999	0.3829	5.7400e-003		0.0728	0.0728		0.0728	0.0728		1,148.8008	1,148.8008	0.0220	0.0211	1,155.6275
Total		0.1053	0.8999	0.3829	5.7400e-003		0.0728	0.0728		0.0728	0.0728		1,148.8008	1,148.8008	0.0220	0.0211	1,155.6275

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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 - Natural Gas

Mitigated

	Natural Gas 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 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
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	9.76481	0.1053	0.8999	0.3829	5.7400e-003		0.0728	0.0728		0.0728	0.0728		1,148.8008	1,148.8008	0.0220	0.0211	1,155.6275
Total		0.1053	0.8999	0.3829	5.7400e-003		0.0728	0.0728		0.0728	0.0728		1,148.8008	1,148.8008	0.0220	0.0211	1,155.6275

6.0 Area Detail

6.1 Mitigation Measures Area

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	38.5255	2.7339	74.4646	0.1640		9.6826	9.6826		9.6826	9.6826	1,180.2317	2,286.7213	3,466.9530	3.5376	0.0801	3,579.2649
Unmitigated	38.5255	2.7339	74.4646	0.1640		9.6826	9.6826		9.6826	9.6826	1,180.2317	2,286.7213	3,466.9530	3.5376	0.0801	3,579.2649

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	0.4450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	33.0165	2.6143	64.0775	0.1635		9.6249	9.6249		9.6249	9.6249	1,180.2317	2,268.0000	3,448.2317	3.5197	0.0801	3,560.0952
Landscaping	0.3120	0.1196	10.3870	5.5000e-004		0.0576	0.0576		0.0576	0.0576		18.7213	18.7213	0.0179		19.1697
Total	38.5256	2.7339	74.4646	0.1640		9.6826	9.6826		9.6826	9.6826	1,180.2317	2,286.7213	3,466.9530	3.5376	0.0801	3,579.2649

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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	0.4450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7520					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	33.0165	2.6143	64.0775	0.1635		9.6249	9.6249		9.6249	9.6249	1,180.2317	2,268.0000	3,448.2317	3.5197	0.0801	3,560.0952
Landscaping	0.3120	0.1196	10.3870	5.5000e-004		0.0576	0.0576		0.0576	0.0576		18.7213	18.7213	0.0179		19.1697
Total	38.5256	2.7339	74.4646	0.1640		9.6826	9.6826		9.6826	9.6826	1,180.2317	2,286.7213	3,466.9530	3.5376	0.0801	3,579.2649

7.0 Water Detail

7.1 Mitigation Measures Water

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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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
