

APPENDIX A

A1. CalEEMod Construction Outputs

and

A.2 CalEEMod Operations Outputs

Joshua Tree 304 - Mojave Desert Air Basin, Winter

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

Joshua Tree 304
Mojave Desert Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	23.00	Dwelling Unit	304.00	41,400.00	54

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	10	Operational Year		2024	
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 - Operation of 23 single family residential lots

Land Use - Operation of 13,240,000 SF or 304 AC Project site. Estimated population 54 based on average household size in JT of 2.31 people.

Construction Phase - Assumes nine month construction period. Assumes construction, paving, and architectural coating will occur concurrently.

Woodstoves - Assumes housing will have no woodstoves or fireplaces.

Construction Off-road Equipment Mitigation - Assumes standard dust control measures will be applied.

Grading -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	440.00	45.00
tblConstructionPhase	NumDays	6,200.00	170.00
tblConstructionPhase	NumDays	620.00	11.00
tblConstructionPhase	NumDays	440.00	45.00

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tblConstructionPhase	NumDays	240.00	17.00
tblConstructionPhase	PhaseEndDate	11/5/2053	3/1/2024
tblConstructionPhase	PhaseEndDate	6/22/2050	3/1/2024
tblConstructionPhase	PhaseEndDate	9/16/2026	7/7/2023
tblConstructionPhase	PhaseEndDate	2/28/2052	3/1/2024
tblConstructionPhase	PhaseEndDate	5/1/2024	6/23/2023
tblConstructionPhase	PhaseStartDate	2/29/2052	1/1/2024
tblConstructionPhase	PhaseStartDate	9/17/2026	7/10/2023
tblConstructionPhase	PhaseStartDate	5/2/2024	6/23/2023
tblConstructionPhase	PhaseStartDate	6/23/2050	1/1/2024
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	12.65	0.00
tblFireplaces	NumberNoFireplace	2.30	0.00
tblFireplaces	NumberWood	8.05	0.00
tblLandUse	LotAcreage	7.47	304.00
tblLandUse	Population	66.00	54.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblWoodstoves	NumberCatalytic	1.15	0.00
tblWoodstoves	NumberNoncatalytic	1.15	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Joshua Tree 304 - Mojave Desert Air Basin, 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	6.1449	62.1512	47.5814	0.1041	29.3460	2.6928	32.0388	13.8849	2.4774	16.3623	0.0000	10,093.3471	10,093.3471	3.1469	0.0108	10,175.2382
2024	31.5264	24.3231	33.4135	0.0556	0.3316	1.1448	1.4764	0.0882	1.0707	1.1590	0.0000	5,333.2596	5,333.2596	1.3403	0.0118	5,370.2727
Maximum	31.5264	62.1512	47.5814	0.1041	29.3460	2.6928	32.0388	13.8849	2.4774	16.3623	0.0000	10,093.3471	10,093.3471	3.1469	0.0118	10,175.2382

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	6.1449	62.1512	47.5814	0.1041	11.7410	2.6928	14.4338	5.4936	2.4774	7.9710	0.0000	10,093.3471	10,093.3471	3.1469	0.0108	10,175.2382
2024	31.5264	24.3231	33.4135	0.0556	0.3316	1.1448	1.4764	0.0882	1.0707	1.1590	0.0000	5,333.2596	5,333.2596	1.3403	0.0118	5,370.2727
Maximum	31.5264	62.1512	47.5814	0.1041	11.7410	2.6928	14.4338	5.4936	2.4774	7.9710	0.0000	10,093.3471	10,093.3471	3.1469	0.0118	10,175.2382

Joshua Tree 304 - Mojave Desert Air Basin, 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	1.2979	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.4167	3.4167	3.2800e-003	0.0000	3.4987
Energy	0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479
Mobile	0.7279	1.2417	7.0849	0.0159	1.6964	0.0147	1.7111	0.4525	0.0138	0.4663		1,621.1890	1,621.1890	0.0906	0.0868	1,649.3242
Total	2.0449	1.4278	9.0515	0.0171	1.6964	0.0385	1.7349	0.4525	0.0376	0.4900	0.0000	1,834.3074	1,834.3074	0.0979	0.0907	1,863.7707

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2979	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.4167	3.4167	3.2800e-003	0.0000	3.4987
Energy	0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479
Mobile	0.7279	1.2417	7.0849	0.0159	1.6964	0.0147	1.7111	0.4525	0.0138	0.4663		1,621.1890	1,621.1890	0.0906	0.0868	1,649.3242
Total	2.0449	1.4278	9.0515	0.0171	1.6964	0.0385	1.7349	0.4525	0.0376	0.4900	0.0000	1,834.3074	1,834.3074	0.0979	0.0907	1,863.7707

Joshua Tree 304 - Mojave Desert Air Basin, 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	6/1/2023	6/23/2023	5	17	
2	Grading	Grading	6/23/2023	7/7/2023	5	11	
3	Building Construction	Building Construction	7/10/2023	3/1/2024	5	170	
4	Paving	Paving	1/1/2024	3/1/2024	5	45	
5	Architectural Coating	Architectural Coating	1/1/2024	3/1/2024	5	45	

Acres of Grading (Site Preparation Phase): 25.5

Acres of Grading (Grading Phase): 33

Acres of Paving: 0

Residential Indoor: 83,835; Residential Outdoor: 27,945; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	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

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Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	8.00	2.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Joshua Tree 304 - Mojave Desert Air Basin, 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	0.0776	0.0528	0.6091	1.8500e-003	0.2299	1.0900e-003	0.2310	0.0610	1.0100e-003	0.0620		186.8975	186.8975	4.7900e-003	5.1200e-003	188.5419
Total	0.0776	0.0528	0.6091	1.8500e-003	0.2299	1.0900e-003	0.2310	0.0610	1.0100e-003	0.0620		186.8975	186.8975	4.7900e-003	5.1200e-003	188.5419

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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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			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	7.6662	1.2660	8.9323	3.9400	1.1647	5.1047	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	0.0776	0.0528	0.6091	1.8500e-003	0.2299	1.0900e-003	0.2310	0.0610	1.0100e-003	0.0620		186.8975	186.8975	4.7900e-003	5.1200e-003	188.5419
Total	0.0776	0.0528	0.6091	1.8500e-003	0.2299	1.0900e-003	0.2310	0.0610	1.0100e-003	0.0620		186.8975	186.8975	4.7900e-003	5.1200e-003	188.5419

Joshua Tree 304 - Mojave Desert Air Basin, 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	0.0862	0.0586	0.6768	2.0500e-003	0.2555	1.2200e-003	0.2567	0.0678	1.1200e-003	0.0689		207.6639	207.6639	5.3200e-003	5.6800e-003	209.4909
Total	0.0862	0.0586	0.6768	2.0500e-003	0.2555	1.2200e-003	0.2567	0.0678	1.1200e-003	0.0689		207.6639	207.6639	5.3200e-003	5.6800e-003	209.4909

Joshua Tree 304 - Mojave Desert Air Basin, 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					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			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	3.5894	1.4245	5.0139	1.4250	1.3105	2.7355	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	0.0862	0.0586	0.6768	2.0500e-003	0.2555	1.2200e-003	0.2567	0.0678	1.1200e-003	0.0689		207.6639	207.6639	5.3200e-003	5.6800e-003	209.4909
Total	0.0862	0.0586	0.6768	2.0500e-003	0.2555	1.2200e-003	0.2567	0.0678	1.1200e-003	0.0689		207.6639	207.6639	5.3200e-003	5.6800e-003	209.4909

Joshua Tree 304 - Mojave Desert Air Basin, 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	2.6100e-003	0.0721	0.0346	3.6000e-004	0.0123	5.9000e-004	0.0129	3.5300e-003	5.6000e-004	4.1000e-003		38.1226	38.1226	1.6000e-004	5.3300e-003	39.7155
Worker	0.0345	0.0235	0.2707	8.2000e-004	0.1022	4.9000e-004	0.1027	0.0271	4.5000e-004	0.0276		83.0655	83.0655	2.1300e-003	2.2700e-003	83.7964
Total	0.0371	0.0955	0.3053	1.1800e-003	0.1145	1.0800e-003	0.1155	0.0306	1.0100e-003	0.0317		121.1881	121.1881	2.2900e-003	7.6000e-003	123.5119

Joshua Tree 304 - Mojave Desert Air Basin, 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	2.6100e-003	0.0721	0.0346	3.6000e-004	0.0123	5.9000e-004	0.0129	3.5300e-003	5.6000e-004	4.1000e-003		38.1226	38.1226	1.6000e-004	5.3300e-003	39.7155
Worker	0.0345	0.0235	0.2707	8.2000e-004	0.1022	4.9000e-004	0.1027	0.0271	4.5000e-004	0.0276		83.0655	83.0655	2.1300e-003	2.2700e-003	83.7964
Total	0.0371	0.0955	0.3053	1.1800e-003	0.1145	1.0800e-003	0.1155	0.0306	1.0100e-003	0.0317		121.1881	121.1881	2.2900e-003	7.6000e-003	123.5119

Joshua Tree 304 - Mojave Desert Air Basin, 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	2.5300e-003	0.0714	0.0336	3.5000e-004	0.0123	5.9000e-004	0.0129	3.5300e-003	5.6000e-004	4.1000e-003		37.3352	37.3352	1.6000e-004	5.2100e-003	38.8921
Worker	0.0320	0.0207	0.2487	8.0000e-004	0.1022	4.6000e-004	0.1026	0.0271	4.2000e-004	0.0275		80.3937	80.3937	1.9100e-003	2.1000e-003	81.0663
Total	0.0345	0.0920	0.2823	1.1500e-003	0.1145	1.0500e-003	0.1155	0.0306	9.8000e-004	0.0316		117.7289	117.7289	2.0700e-003	7.3100e-003	119.9585

Joshua Tree 304 - Mojave Desert Air Basin, 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	2.5300e-003	0.0714	0.0336	3.5000e-004	0.0123	5.9000e-004	0.0129	3.5300e-003	5.6000e-004	4.1000e-003		37.3352	37.3352	1.6000e-004	5.2100e-003	38.8921
Worker	0.0320	0.0207	0.2487	8.0000e-004	0.1022	4.6000e-004	0.1026	0.0271	4.2000e-004	0.0275		80.3937	80.3937	1.9100e-003	2.1000e-003	81.0663
Total	0.0345	0.0920	0.2823	1.1500e-003	0.1145	1.0500e-003	0.1155	0.0306	9.8000e-004	0.0316		117.7289	117.7289	2.0700e-003	7.3100e-003	119.9585

Joshua Tree 304 - Mojave Desert Air Basin, Winter

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

3.5 Paving - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0600	0.0388	0.4663	1.4900e-003	0.1916	8.6000e-004	0.1925	0.0508	7.9000e-004	0.0516		150.7382	150.7382	3.5800e-003	3.9300e-003	151.9994
Total	0.0600	0.0388	0.4663	1.4900e-003	0.1916	8.6000e-004	0.1925	0.0508	7.9000e-004	0.0516		150.7382	150.7382	3.5800e-003	3.9300e-003	151.9994

Joshua Tree 304 - Mojave Desert Air Basin, Winter

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

3.5 Paving - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0600	0.0388	0.4663	1.4900e-003	0.1916	8.6000e-004	0.1925	0.0508	7.9000e-004	0.0516		150.7382	150.7382	3.5800e-003	3.9300e-003	151.9994
Total	0.0600	0.0388	0.4663	1.4900e-003	0.1916	8.6000e-004	0.1925	0.0508	7.9000e-004	0.0516		150.7382	150.7382	3.5800e-003	3.9300e-003	151.9994

Joshua Tree 304 - Mojave Desert Air Basin, Winter

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

3.6 Architectural Coating - 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					
Archit. Coating	28.7834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	28.9641	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	8.0000e-003	5.1700e-003	0.0622	2.0000e-004	0.0256	1.1000e-004	0.0257	6.7700e-003	1.1000e-004	6.8800e-003		20.0984	20.0984	4.8000e-004	5.2000e-004	20.2666
Total	8.0000e-003	5.1700e-003	0.0622	2.0000e-004	0.0256	1.1000e-004	0.0257	6.7700e-003	1.1000e-004	6.8800e-003		20.0984	20.0984	4.8000e-004	5.2000e-004	20.2666

Joshua Tree 304 - Mojave Desert Air Basin, Winter

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

3.6 Architectural Coating - 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					
Archit. Coating	28.7834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	28.9641	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	8.0000e-003	5.1700e-003	0.0622	2.0000e-004	0.0256	1.1000e-004	0.0257	6.7700e-003	1.1000e-004	6.8800e-003		20.0984	20.0984	4.8000e-004	5.2000e-004	20.2666
Total	8.0000e-003	5.1700e-003	0.0622	2.0000e-004	0.0256	1.1000e-004	0.0257	6.7700e-003	1.1000e-004	6.8800e-003		20.0984	20.0984	4.8000e-004	5.2000e-004	20.2666

Joshua Tree 304 - Mojave Desert Air Basin, 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	0.7279	1.2417	7.0849	0.0159	1.6964	0.0147	1.7111	0.4525	0.0138	0.4663		1,621.1890	1,621.1890	0.0906	0.0868	1,649.3242
Unmitigated	0.7279	1.2417	7.0849	0.0159	1.6964	0.0147	1.7111	0.4525	0.0138	0.4663		1,621.1890	1,621.1890	0.0906	0.0868	1,649.3242

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	217.12	219.42	196.65	785,025	785,025
Total	217.12	219.42	196.65	785,025	785,025

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	16.80	7.10	7.90	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	0.531780	0.056022	0.172399	0.135630	0.029743	0.007796	0.007114	0.023242	0.000520	0.000194	0.028649	0.001160	0.005752

Joshua Tree 304 - Mojave Desert Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	lb/day										lb/day					
NaturalGas Mitigated	0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479
NaturalGas Unmitigated	0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479

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					
Single Family Housing	1782.46	0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479
Total		0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479

Joshua Tree 304 - Mojave Desert Air Basin, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day											lb/day				
Single Family Housing	1.78246	0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479
Total		0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479

6.0 Area Detail

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	1.2979	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.4167	3.4167	3.2800e-003	0.0000	3.4987
Unmitigated	1.2979	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.4167	3.4167	3.2800e-003	0.0000	3.4987

Joshua Tree 304 - Mojave Desert Air Basin, 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	0.3549					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8860					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0570	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105		3.4167	3.4167	3.2800e-003		3.4987
Total	1.2979	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.4167	3.4167	3.2800e-003	0.0000	3.4987

Joshua Tree 304 - Mojave Desert Air Basin, 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	0.3549					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8860					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0570	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105		3.4167	3.4167	3.2800e-003		3.4987
Total	1.2979	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.4167	3.4167	3.2800e-003	0.0000	3.4987

7.0 Water Detail

7.1 Mitigation Measures Water

Joshua Tree 304 - Mojave Desert Air Basin, 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
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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

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

Joshua Tree 304
Mojave Desert Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	23.00	Dwelling Unit	304.00	41,400.00	54

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	10	Operational Year		2024	
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 - Operation of 23 single family residential lots

Land Use - Operation of 13,240,000 SF or 304 AC Project site. Estimated population 54 based on average household size in JT of 2.31 people.

Construction Phase - Assumes nine month construction period. Assumes construction, paving, and architectural coating will occur concurrently.

Woodstoves - Assumes housing will have no woodstoves or fireplaces.

Construction Off-road Equipment Mitigation - Assumes standard dust control measures will be applied.

Grading -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	440.00	45.00
tblConstructionPhase	NumDays	6,200.00	170.00
tblConstructionPhase	NumDays	620.00	11.00
tblConstructionPhase	NumDays	440.00	45.00

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

tblConstructionPhase	NumDays	240.00	17.00
tblConstructionPhase	PhaseEndDate	11/5/2053	3/1/2024
tblConstructionPhase	PhaseEndDate	6/22/2050	3/1/2024
tblConstructionPhase	PhaseEndDate	9/16/2026	7/7/2023
tblConstructionPhase	PhaseEndDate	2/28/2052	3/1/2024
tblConstructionPhase	PhaseEndDate	5/1/2024	6/23/2023
tblConstructionPhase	PhaseStartDate	2/29/2052	1/1/2024
tblConstructionPhase	PhaseStartDate	9/17/2026	7/10/2023
tblConstructionPhase	PhaseStartDate	5/2/2024	6/23/2023
tblConstructionPhase	PhaseStartDate	6/23/2050	1/1/2024
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	12.65	0.00
tblFireplaces	NumberNoFireplace	2.30	0.00
tblFireplaces	NumberWood	8.05	0.00
tblLandUse	LotAcreage	7.47	304.00
tblLandUse	Population	66.00	54.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblWoodstoves	NumberCatalytic	1.15	0.00
tblWoodstoves	NumberNoncatalytic	1.15	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	6.1563	62.1476	47.9400	0.1046	29.3460	2.6928	32.0388	13.8849	2.4774	16.3623	0.0000	10,142.6587	10,142.6587	3.1471	0.0106	10,224.4942
2024	31.5332	24.3168	33.6274	0.0559	0.3316	1.1448	1.4764	0.0882	1.0707	1.1590	0.0000	5,364.4468	5,364.4468	1.3404	0.0116	5,401.4193
Maximum	31.5332	62.1476	47.9400	0.1046	29.3460	2.6928	32.0388	13.8849	2.4774	16.3623	0.0000	10,142.6587	10,142.6587	3.1471	0.0116	10,224.4942

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	6.1563	62.1476	47.9400	0.1046	11.7410	2.6928	14.4338	5.4936	2.4774	7.9710	0.0000	10,142.6587	10,142.6587	3.1471	0.0106	10,224.4942
2024	31.5332	24.3168	33.6274	0.0559	0.3316	1.1448	1.4764	0.0882	1.0707	1.1590	0.0000	5,364.4468	5,364.4468	1.3404	0.0116	5,401.4193
Maximum	31.5332	62.1476	47.9400	0.1046	11.7410	2.6928	14.4338	5.4936	2.4774	7.9710	0.0000	10,142.6587	10,142.6587	3.1471	0.0116	10,224.4942

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	59.32	0.00	52.53	60.05	0.00	47.89	0.00	0.00	0.00	0.00	0.00	0.00

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2979	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.4167	3.4167	3.2800e-003	0.0000	3.4987
Energy	0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479
Mobile	0.8675	1.1700	8.1179	0.0174	1.6964	0.0147	1.7111	0.4525	0.0138	0.4662		1,767.5298	1,767.5298	0.0888	0.0850	1,795.0874
Total	2.1845	1.3562	10.0846	0.0185	1.6964	0.0385	1.7348	0.4525	0.0376	0.4900	0.0000	1,980.6482	1,980.6482	0.0961	0.0889	2,009.5339

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2979	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.4167	3.4167	3.2800e-003	0.0000	3.4987
Energy	0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479
Mobile	0.8675	1.1700	8.1179	0.0174	1.6964	0.0147	1.7111	0.4525	0.0138	0.4662		1,767.5298	1,767.5298	0.0888	0.0850	1,795.0874
Total	2.1845	1.3562	10.0846	0.0185	1.6964	0.0385	1.7348	0.4525	0.0376	0.4900	0.0000	1,980.6482	1,980.6482	0.0961	0.0889	2,009.5339

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	6/23/2023	5	17	
2	Grading	Grading	6/23/2023	7/7/2023	5	11	
3	Building Construction	Building Construction	7/10/2023	3/1/2024	5	170	
4	Paving	Paving	1/1/2024	3/1/2024	5	45	
5	Architectural Coating	Architectural Coating	1/1/2024	3/1/2024	5	45	

Acres of Grading (Site Preparation Phase): 25.5

Acres of Grading (Grading Phase): 33

Acres of Paving: 0

Residential Indoor: 83,835; Residential Outdoor: 27,945; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	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

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	8.00	2.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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	0.0830	0.0511	0.7790	2.0800e-003	0.2299	1.0900e-003	0.2310	0.0610	1.0100e-003	0.0620		210.2556	210.2556	4.8800e-003	5.0200e-003	211.8737
Total	0.0830	0.0511	0.7790	2.0800e-003	0.2299	1.0900e-003	0.2310	0.0610	1.0100e-003	0.0620		210.2556	210.2556	4.8800e-003	5.0200e-003	211.8737

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			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	7.6662	1.2660	8.9323	3.9400	1.1647	5.1047	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	0.0830	0.0511	0.7790	2.0800e-003	0.2299	1.0900e-003	0.2310	0.0610	1.0100e-003	0.0620		210.2556	210.2556	4.8800e-003	5.0200e-003	211.8737
Total	0.0830	0.0511	0.7790	2.0800e-003	0.2299	1.0900e-003	0.2310	0.0610	1.0100e-003	0.0620		210.2556	210.2556	4.8800e-003	5.0200e-003	211.8737

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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	0.0922	0.0567	0.8655	2.3100e-003	0.2555	1.2200e-003	0.2567	0.0678	1.1200e-003	0.0689		233.6173	233.6173	5.4200e-003	5.5800e-003	235.4152
Total	0.0922	0.0567	0.8655	2.3100e-003	0.2555	1.2200e-003	0.2567	0.0678	1.1200e-003	0.0689		233.6173	233.6173	5.4200e-003	5.5800e-003	235.4152

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			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	3.5894	1.4245	5.0139	1.4250	1.3105	2.7355	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	0.0922	0.0567	0.8655	2.3100e-003	0.2555	1.2200e-003	0.2567	0.0678	1.1200e-003	0.0689		233.6173	233.6173	5.4200e-003	5.5800e-003	235.4152
Total	0.0922	0.0567	0.8655	2.3100e-003	0.2555	1.2200e-003	0.2567	0.0678	1.1200e-003	0.0689		233.6173	233.6173	5.4200e-003	5.5800e-003	235.4152

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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	2.8200e-003	0.0678	0.0335	3.6000e-004	0.0123	5.9000e-004	0.0129	3.5300e-003	5.6000e-004	4.0900e-003		38.0055	38.0055	1.7000e-004	5.3100e-003	39.5916
Worker	0.0369	0.0227	0.3462	9.2000e-004	0.1022	4.9000e-004	0.1027	0.0271	4.5000e-004	0.0276		93.4469	93.4469	2.1700e-003	2.2300e-003	94.1661
Total	0.0397	0.0905	0.3797	1.2800e-003	0.1145	1.0800e-003	0.1155	0.0306	1.0100e-003	0.0316		131.4525	131.4525	2.3400e-003	7.5400e-003	133.7577

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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	2.8200e-003	0.0678	0.0335	3.6000e-004	0.0123	5.9000e-004	0.0129	3.5300e-003	5.6000e-004	4.0900e-003		38.0055	38.0055	1.7000e-004	5.3100e-003	39.5916
Worker	0.0369	0.0227	0.3462	9.2000e-004	0.1022	4.9000e-004	0.1027	0.0271	4.5000e-004	0.0276		93.4469	93.4469	2.1700e-003	2.2300e-003	94.1661
Total	0.0397	0.0905	0.3797	1.2800e-003	0.1145	1.0800e-003	0.1155	0.0306	1.0100e-003	0.0316		131.4525	131.4525	2.3400e-003	7.5400e-003	133.7577

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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	2.7400e-003	0.0671	0.0325	3.5000e-004	0.0123	5.9000e-004	0.0129	3.5300e-003	5.6000e-004	4.1000e-003		37.2195	37.2195	1.7000e-004	5.1900e-003	38.7698
Worker	0.0341	0.0200	0.3175	8.9000e-004	0.1022	4.6000e-004	0.1026	0.0271	4.2000e-004	0.0275		90.4106	90.4106	1.9400e-003	2.0600e-003	91.0724
Total	0.0369	0.0871	0.3500	1.2400e-003	0.1145	1.0500e-003	0.1155	0.0306	9.8000e-004	0.0316		127.6301	127.6301	2.1100e-003	7.2500e-003	129.8422

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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	2.7400e-003	0.0671	0.0325	3.5000e-004	0.0123	5.9000e-004	0.0129	3.5300e-003	5.6000e-004	4.1000e-003		37.2195	37.2195	1.7000e-004	5.1900e-003	38.7698
Worker	0.0341	0.0200	0.3175	8.9000e-004	0.1022	4.6000e-004	0.1026	0.0271	4.2000e-004	0.0275		90.4106	90.4106	1.9400e-003	2.0600e-003	91.0724
Total	0.0369	0.0871	0.3500	1.2400e-003	0.1145	1.0500e-003	0.1155	0.0306	9.8000e-004	0.0316		127.6301	127.6301	2.1100e-003	7.2500e-003	129.8422

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

3.5 Paving - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0640	0.0375	0.5953	1.6800e-003	0.1916	8.6000e-004	0.1925	0.0508	7.9000e-004	0.0516		169.5199	169.5199	3.6400e-003	3.8600e-003	170.7608
Total	0.0640	0.0375	0.5953	1.6800e-003	0.1916	8.6000e-004	0.1925	0.0508	7.9000e-004	0.0516		169.5199	169.5199	3.6400e-003	3.8600e-003	170.7608

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

3.5 Paving - 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

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	0.0640	0.0375	0.5953	1.6800e-003	0.1916	8.6000e-004	0.1925	0.0508	7.9000e-004	0.0516		169.5199	169.5199	3.6400e-003	3.8600e-003	170.7608
Total	0.0640	0.0375	0.5953	1.6800e-003	0.1916	8.6000e-004	0.1925	0.0508	7.9000e-004	0.0516		169.5199	169.5199	3.6400e-003	3.8600e-003	170.7608

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

3.6 Architectural Coating - 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					
Archit. Coating	28.7834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	28.9641	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	8.5300e-003	5.0000e-003	0.0794	2.2000e-004	0.0256	1.1000e-004	0.0257	6.7700e-003	1.1000e-004	6.8800e-003		22.6027	22.6027	4.8000e-004	5.1000e-004	22.7681
Total	8.5300e-003	5.0000e-003	0.0794	2.2000e-004	0.0256	1.1000e-004	0.0257	6.7700e-003	1.1000e-004	6.8800e-003		22.6027	22.6027	4.8000e-004	5.1000e-004	22.7681

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

3.6 Architectural Coating - 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					
Archit. Coating	28.7834					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	28.9641	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	8.5300e-003	5.0000e-003	0.0794	2.2000e-004	0.0256	1.1000e-004	0.0257	6.7700e-003	1.1000e-004	6.8800e-003		22.6027	22.6027	4.8000e-004	5.1000e-004	22.7681
Total	8.5300e-003	5.0000e-003	0.0794	2.2000e-004	0.0256	1.1000e-004	0.0257	6.7700e-003	1.1000e-004	6.8800e-003		22.6027	22.6027	4.8000e-004	5.1000e-004	22.7681

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8675	1.1700	8.1179	0.0174	1.6964	0.0147	1.7111	0.4525	0.0138	0.4662		1,767.5298	1,767.5298	0.0888	0.0850	1,795.0874
Unmitigated	0.8675	1.1700	8.1179	0.0174	1.6964	0.0147	1.7111	0.4525	0.0138	0.4662		1,767.5298	1,767.5298	0.0888	0.0850	1,795.0874

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	217.12	219.42	196.65	785,025	785,025
Total	217.12	219.42	196.65	785,025	785,025

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	16.80	7.10	7.90	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	0.531780	0.056022	0.172399	0.135630	0.029743	0.007796	0.007114	0.023242	0.000520	0.000194	0.028649	0.001160	0.005752

Joshua Tree 304 - Mojave Desert Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	lb/day										lb/day					
NaturalGas Mitigated	0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479
NaturalGas Unmitigated	0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479

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					
Single Family Housing	1782.46	0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479
Total		0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	1.78246	0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479
Total		0.0192	0.1643	0.0699	1.0500e-003		0.0133	0.0133		0.0133	0.0133		209.7017	209.7017	4.0200e-003	3.8400e-003	210.9479

6.0 Area Detail

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	1.2979	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.4167	3.4167	3.2800e-003	0.0000	3.4987
Unmitigated	1.2979	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.4167	3.4167	3.2800e-003	0.0000	3.4987

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

6.2 Area by SubCategory

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	0.3549					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8860					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0570	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105		3.4167	3.4167	3.2800e-003		3.4987
Total	1.2979	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.4167	3.4167	3.2800e-003	0.0000	3.4987

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3549					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8860					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0570	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105		3.4167	3.4167	3.2800e-003		3.4987
Total	1.2979	0.0219	1.8967	1.0000e-004		0.0105	0.0105		0.0105	0.0105	0.0000	3.4167	3.4167	3.2800e-003	0.0000	3.4987

7.0 Water Detail

7.1 Mitigation Measures Water

Joshua Tree 304 - Mojave Desert Air Basin, Summer

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

Joshua Tree 304 - Mojave Desert Air Basin, Annual

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

Joshua Tree 304
Mojave Desert Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	23.00	Dwelling Unit	304.00	41,400.00	54

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	10	Operational Year		2024	
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 - Operation of 23 single family residential lots
 Land Use - Operation of 13,240,000 SF or 304 AC Project site. Estimated population 54 based on average household size in JT of 2.31 people.
 Construction Phase - Assumes nine month construction period. Assumes construction, paving, and architectural coating will occur concurrently.
 Woodstoves - Assumes housing will have no woodstoves or fireplaces.
 Construction Off-road Equipment Mitigation - Assumes standard dust control measures will be applied.
 Grading -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	440.00	45.00
tblConstructionPhase	NumDays	6,200.00	170.00
tblConstructionPhase	NumDays	620.00	11.00
tblConstructionPhase	NumDays	440.00	45.00

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

tblConstructionPhase	NumDays	240.00	17.00
tblConstructionPhase	PhaseEndDate	11/5/2053	3/1/2024
tblConstructionPhase	PhaseEndDate	6/22/2050	3/1/2024
tblConstructionPhase	PhaseEndDate	9/16/2026	7/7/2023
tblConstructionPhase	PhaseEndDate	2/28/2052	3/1/2024
tblConstructionPhase	PhaseEndDate	5/1/2024	6/23/2023
tblConstructionPhase	PhaseStartDate	2/29/2052	1/1/2024
tblConstructionPhase	PhaseStartDate	9/17/2026	7/10/2023
tblConstructionPhase	PhaseStartDate	5/2/2024	6/23/2023
tblConstructionPhase	PhaseStartDate	6/23/2050	1/1/2024
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	12.65	0.00
tblFireplaces	NumberNoFireplace	2.30	0.00
tblFireplaces	NumberWood	8.05	0.00
tblLandUse	LotAcreage	7.47	304.00
tblLandUse	Population	66.00	54.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblWoodstoves	NumberCatalytic	1.15	0.00
tblWoodstoves	NumberNoncatalytic	1.15	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1424	1.3297	1.3544	2.4500e-003	0.2280	0.0624	0.2904	0.1087	0.0583	0.1671	0.0000	212.8528	212.8528	0.0536	5.1000e-004	214.3429
2024	0.7092	0.5474	0.7531	1.2500e-003	7.3200e-003	0.0258	0.0331	1.9500e-003	0.0241	0.0260	0.0000	109.0034	109.0034	0.0274	2.5000e-004	109.7607
Maximum	0.7092	1.3297	1.3544	2.4500e-003	0.2280	0.0624	0.2904	0.1087	0.0583	0.1671	0.0000	212.8528	212.8528	0.0536	5.1000e-004	214.3429

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	0.1424	1.3297	1.3544	2.4500e-003	0.0952	0.0624	0.1576	0.0441	0.0583	0.1024	0.0000	212.8525	212.8525	0.0536	5.1000e-004	214.3427
2024	0.7092	0.5474	0.7531	1.2500e-003	7.3200e-003	0.0258	0.0331	1.9500e-003	0.0241	0.0260	0.0000	109.0033	109.0033	0.0274	2.5000e-004	109.7606
Maximum	0.7092	1.3297	1.3544	2.4500e-003	0.0952	0.0624	0.1576	0.0441	0.0583	0.1024	0.0000	212.8525	212.8525	0.0536	5.1000e-004	214.3427

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	56.43	0.00	41.05	58.40	0.00	33.47	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	6-1-2023	8-31-2023	0.7571	0.7571
2	9-1-2023	11-30-2023	0.5229	0.5229
3	12-1-2023	2-29-2024	1.3749	1.3749
4	3-1-2024	5-31-2024	0.0199	0.0199
		Highest	1.3749	1.3749

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2316	1.9700e-003	0.1707	1.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	0.2790	0.2790	2.7000e-004	0.0000	0.2857
Energy	3.5100e-003	0.0300	0.0128	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	67.2059	67.2059	3.4100e-003	9.7000e-004	67.5798
Mobile	0.1293	0.2258	1.3342	2.8900e-003	0.2963	2.6100e-003	0.2990	0.0792	2.4500e-003	0.0816	0.0000	266.7201	266.7201	0.0149	0.0143	271.3411
Waste						0.0000	0.0000		0.0000	0.0000	4.4942	0.0000	4.4942	0.2656	0.0000	11.1342
Water						0.0000	0.0000		0.0000	0.0000	0.4754	5.3219	5.7973	0.0493	1.2100e-003	7.3891
Total	0.3644	0.2578	1.5177	3.0900e-003	0.2963	5.9800e-003	0.3023	0.0792	5.8200e-003	0.0850	4.9696	339.5268	344.4965	0.3335	0.0164	357.7299

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2316	1.9700e-003	0.1707	1.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	0.2790	0.2790	2.7000e-004	0.0000	0.2857
Energy	3.5100e-003	0.0300	0.0128	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	67.2059	67.2059	3.4100e-003	9.7000e-004	67.5798
Mobile	0.1293	0.2258	1.3342	2.8900e-003	0.2963	2.6100e-003	0.2990	0.0792	2.4500e-003	0.0816	0.0000	266.7201	266.7201	0.0149	0.0143	271.3411
Waste						0.0000	0.0000		0.0000	0.0000	4.4942	0.0000	4.4942	0.2656	0.0000	11.1342
Water						0.0000	0.0000		0.0000	0.0000	0.4754	5.3219	5.7973	0.0493	1.2100e-003	7.3891
Total	0.3644	0.2578	1.5177	3.0900e-003	0.2963	5.9800e-003	0.3023	0.0792	5.8200e-003	0.0850	4.9696	339.5268	344.4965	0.3335	0.0164	357.7299

	ROG	NOx	CO	SO2	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	6/1/2023	6/23/2023	5	17	
2	Grading	Grading	6/23/2023	7/7/2023	5	11	
3	Building Construction	Building Construction	7/10/2023	3/1/2024	5	170	

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4	Paving	Paving	1/1/2024	3/1/2024	5	45
5	Architectural Coating	Architectural Coating	1/1/2024	3/1/2024	5	45

Acres of Grading (Site Preparation Phase): 25.5

Acres of Grading (Grading Phase): 33

Acres of Paving: 0

Residential Indoor: 83,835; Residential Outdoor: 27,945; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	8.00	2.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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	tons/yr										MT/yr					
Fugitive Dust					0.1671	0.0000	0.1671	0.0859	0.0000	0.0859	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0226	0.2340	0.1551	3.2000e-004		0.0108	0.0108		9.9000e-003	9.9000e-003	0.0000	28.4331	28.4331	9.2000e-003	0.0000	28.6630
Total	0.0226	0.2340	0.1551	3.2000e-004	0.1671	0.0108	0.1778	0.0859	9.9000e-003	0.0958	0.0000	28.4331	28.4331	9.2000e-003	0.0000	28.6630

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

3.2 Site Preparation - 2023

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	6.1000e-004	4.8000e-004	5.5600e-003	2.0000e-005	1.9200e-003	1.0000e-005	1.9300e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.4818	1.4818	4.0000e-005	4.0000e-005	1.4950
Total	6.1000e-004	4.8000e-004	5.5600e-003	2.0000e-005	1.9200e-003	1.0000e-005	1.9300e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.4818	1.4818	4.0000e-005	4.0000e-005	1.4950

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					0.0652	0.0000	0.0652	0.0335	0.0000	0.0335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0226	0.2340	0.1551	3.2000e-004		0.0108	0.0108		9.9000e-003	9.9000e-003	0.0000	28.4331	28.4331	9.2000e-003	0.0000	28.6630
Total	0.0226	0.2340	0.1551	3.2000e-004	0.0652	0.0108	0.0759	0.0335	9.9000e-003	0.0434	0.0000	28.4331	28.4331	9.2000e-003	0.0000	28.6630

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3.2 Site Preparation - 2023

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	6.1000e-004	4.8000e-004	5.5600e-003	2.0000e-005	1.9200e-003	1.0000e-005	1.9300e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.4818	1.4818	4.0000e-005	4.0000e-005	1.4950
Total	6.1000e-004	4.8000e-004	5.5600e-003	2.0000e-005	1.9200e-003	1.0000e-005	1.9300e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.4818	1.4818	4.0000e-005	4.0000e-005	1.4950

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	tons/yr										MT/yr					
Fugitive Dust					0.0506	0.0000	0.0506	0.0201	0.0000	0.0201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0183	0.1898	0.1543	3.4000e-004		7.8300e-003	7.8300e-003		7.2100e-003	7.2100e-003	0.0000	29.9944	29.9944	9.7000e-003	0.0000	30.2369
Total	0.0183	0.1898	0.1543	3.4000e-004	0.0506	7.8300e-003	0.0585	0.0201	7.2100e-003	0.0273	0.0000	29.9944	29.9944	9.7000e-003	0.0000	30.2369

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3.3 Grading - 2023

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	4.4000e-004	3.4000e-004	3.9900e-003	1.0000e-005	1.3800e-003	1.0000e-005	1.3900e-003	3.7000e-004	1.0000e-005	3.7000e-004	0.0000	1.0654	1.0654	3.0000e-005	3.0000e-005	1.0749
Total	4.4000e-004	3.4000e-004	3.9900e-003	1.0000e-005	1.3800e-003	1.0000e-005	1.3900e-003	3.7000e-004	1.0000e-005	3.7000e-004	0.0000	1.0654	1.0654	3.0000e-005	3.0000e-005	1.0749

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					0.0197	0.0000	0.0197	7.8400e-003	0.0000	7.8400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0183	0.1898	0.1543	3.4000e-004		7.8300e-003	7.8300e-003		7.2100e-003	7.2100e-003	0.0000	29.9943	29.9943	9.7000e-003	0.0000	30.2369
Total	0.0183	0.1898	0.1543	3.4000e-004	0.0197	7.8300e-003	0.0276	7.8400e-003	7.2100e-003	0.0151	0.0000	29.9943	29.9943	9.7000e-003	0.0000	30.2369

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3.3 Grading - 2023

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	4.4000e-004	3.4000e-004	3.9900e-003	1.0000e-005	1.3800e-003	1.0000e-005	1.3900e-003	3.7000e-004	1.0000e-005	3.7000e-004	0.0000	1.0654	1.0654	3.0000e-005	3.0000e-005	1.0749
Total	4.4000e-004	3.4000e-004	3.9900e-003	1.0000e-005	1.3800e-003	1.0000e-005	1.3900e-003	3.7000e-004	1.0000e-005	3.7000e-004	0.0000	1.0654	1.0654	3.0000e-005	3.0000e-005	1.0749

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	tons/yr										MT/yr					
Off-Road	0.0983	0.8991	1.0153	1.6800e-003		0.0437	0.0437		0.0412	0.0412	0.0000	144.8780	144.8780	0.0345	0.0000	145.7396
Total	0.0983	0.8991	1.0153	1.6800e-003		0.0437	0.0437		0.0412	0.0412	0.0000	144.8780	144.8780	0.0345	0.0000	145.7396

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

3.4 Building Construction - 2023

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	1.7000e-004	4.4700e-003	2.1300e-003	2.0000e-005	7.6000e-004	4.0000e-005	7.9000e-004	2.2000e-004	4.0000e-005	2.5000e-004	0.0000	2.1577	2.1577	1.0000e-005	3.0000e-004	2.2479
Worker	1.9900e-003	1.5600e-003	0.0182	5.0000e-005	6.2700e-003	3.0000e-005	6.3000e-003	1.6600e-003	3.0000e-005	1.6900e-003	0.0000	4.8425	4.8425	1.2000e-004	1.3000e-004	4.8857
Total	2.1600e-003	6.0300e-003	0.0203	7.0000e-005	7.0300e-003	7.0000e-005	7.0900e-003	1.8800e-003	7.0000e-005	1.9400e-003	0.0000	7.0002	7.0002	1.3000e-004	4.3000e-004	7.1336

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	0.0983	0.8991	1.0153	1.6800e-003		0.0437	0.0437		0.0412	0.0412	0.0000	144.8778	144.8778	0.0345	0.0000	145.7394
Total	0.0983	0.8991	1.0153	1.6800e-003		0.0437	0.0437		0.0412	0.0412	0.0000	144.8778	144.8778	0.0345	0.0000	145.7394

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

3.4 Building Construction - 2023

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	1.7000e-004	4.4700e-003	2.1300e-003	2.0000e-005	7.6000e-004	4.0000e-005	7.9000e-004	2.2000e-004	4.0000e-005	2.5000e-004	0.0000	2.1577	2.1577	1.0000e-005	3.0000e-004	2.2479
Worker	1.9900e-003	1.5600e-003	0.0182	5.0000e-005	6.2700e-003	3.0000e-005	6.3000e-003	1.6600e-003	3.0000e-005	1.6900e-003	0.0000	4.8425	4.8425	1.2000e-004	1.3000e-004	4.8857
Total	2.1600e-003	6.0300e-003	0.0203	7.0000e-005	7.0300e-003	7.0000e-005	7.0900e-003	1.8800e-003	7.0000e-005	1.9400e-003	0.0000	7.0002	7.0002	1.3000e-004	4.3000e-004	7.1336

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	tons/yr										MT/yr					
Off-Road	0.0331	0.3025	0.3638	6.1000e-004		0.0138	0.0138		0.0130	0.0130	0.0000	52.1661	52.1661	0.0123	0.0000	52.4744
Total	0.0331	0.3025	0.3638	6.1000e-004		0.0138	0.0138		0.0130	0.0130	0.0000	52.1661	52.1661	0.0123	0.0000	52.4744

Joshua Tree 304 - Mojave Desert Air Basin, Annual

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 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	6.0000e-005	1.5900e-003	7.4000e-004	1.0000e-005	2.7000e-004	1.0000e-005	2.9000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.7607	0.7607	0.0000	1.1000e-004	0.7924
Worker	6.6000e-004	5.0000e-004	6.0000e-003	2.0000e-005	2.2600e-003	1.0000e-005	2.2700e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.6871	1.6871	4.0000e-005	4.0000e-005	1.7014
Total	7.2000e-004	2.0900e-003	6.7400e-003	3.0000e-005	2.5300e-003	2.0000e-005	2.5600e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.4478	2.4478	4.0000e-005	1.5000e-004	2.4938

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	0.0331	0.3025	0.3638	6.1000e-004		0.0138	0.0138		0.0130	0.0130	0.0000	52.1660	52.1660	0.0123	0.0000	52.4744
Total	0.0331	0.3025	0.3638	6.1000e-004		0.0138	0.0138		0.0130	0.0130	0.0000	52.1660	52.1660	0.0123	0.0000	52.4744

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

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.5900e-003	7.4000e-004	1.0000e-005	2.7000e-004	1.0000e-005	2.9000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.7607	0.7607	0.0000	1.1000e-004	0.7924
Worker	6.6000e-004	5.0000e-004	6.0000e-003	2.0000e-005	2.2600e-003	1.0000e-005	2.2700e-003	6.0000e-004	1.0000e-005	6.1000e-004	0.0000	1.6871	1.6871	4.0000e-005	4.0000e-005	1.7014
Total	7.2000e-004	2.0900e-003	6.7400e-003	3.0000e-005	2.5300e-003	2.0000e-005	2.5600e-003	6.8000e-004	2.0000e-005	7.0000e-004	0.0000	2.4478	2.4478	4.0000e-005	1.5000e-004	2.4938

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0222	0.2143	0.3291	5.1000e-004		0.0105	0.0105		9.7000e-003	9.7000e-003	0.0000	45.0597	45.0597	0.0146	0.0000	45.4240
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0222	0.2143	0.3291	5.1000e-004		0.0105	0.0105		9.7000e-003	9.7000e-003	0.0000	45.0597	45.0597	0.0146	0.0000	45.4240

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

3.5 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.2500e-003	9.3000e-004	0.0113	3.0000e-005	4.2300e-003	2.0000e-005	4.2500e-003	1.1200e-003	2.0000e-005	1.1400e-003	0.0000	3.1633	3.1633	7.0000e-005	8.0000e-005	3.1901
Total	1.2500e-003	9.3000e-004	0.0113	3.0000e-005	4.2300e-003	2.0000e-005	4.2500e-003	1.1200e-003	2.0000e-005	1.1400e-003	0.0000	3.1633	3.1633	7.0000e-005	8.0000e-005	3.1901

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	0.0222	0.2143	0.3291	5.1000e-004		0.0105	0.0105		9.7000e-003	9.7000e-003	0.0000	45.0596	45.0596	0.0146	0.0000	45.4240
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0222	0.2143	0.3291	5.1000e-004		0.0105	0.0105		9.7000e-003	9.7000e-003	0.0000	45.0596	45.0596	0.0146	0.0000	45.4240

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

3.5 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.2500e-003	9.3000e-004	0.0113	3.0000e-005	4.2300e-003	2.0000e-005	4.2500e-003	1.1200e-003	2.0000e-005	1.1400e-003	0.0000	3.1633	3.1633	7.0000e-005	8.0000e-005	3.1901
Total	1.2500e-003	9.3000e-004	0.0113	3.0000e-005	4.2300e-003	2.0000e-005	4.2500e-003	1.1200e-003	2.0000e-005	1.1400e-003	0.0000	3.1633	3.1633	7.0000e-005	8.0000e-005	3.1901

3.6 Architectural Coating - 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					
Archit. Coating	0.6476					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0700e-003	0.0274	0.0407	7.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	5.7448	5.7448	3.2000e-004	0.0000	5.7529
Total	0.6517	0.0274	0.0407	7.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	5.7448	5.7448	3.2000e-004	0.0000	5.7529

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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 - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.7000e-004	1.2000e-004	1.5000e-003	0.0000	5.6000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4218	0.4218	1.0000e-005	1.0000e-005	0.4254
Total	1.7000e-004	1.2000e-004	1.5000e-003	0.0000	5.6000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4218	0.4218	1.0000e-005	1.0000e-005	0.4254

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	0.6476					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0700e-003	0.0274	0.0407	7.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	5.7448	5.7448	3.2000e-004	0.0000	5.7529
Total	0.6517	0.0274	0.0407	7.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	5.7448	5.7448	3.2000e-004	0.0000	5.7529

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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 - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.7000e-004	1.2000e-004	1.5000e-003	0.0000	5.6000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4218	0.4218	1.0000e-005	1.0000e-005	0.4254
Total	1.7000e-004	1.2000e-004	1.5000e-003	0.0000	5.6000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4218	0.4218	1.0000e-005	1.0000e-005	0.4254

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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	tons/yr										MT/yr					
Mitigated	0.1293	0.2258	1.3342	2.8900e-003	0.2963	2.6100e-003	0.2990	0.0792	2.4500e-003	0.0816	0.0000	266.7201	266.7201	0.0149	0.0143	271.3411
Unmitigated	0.1293	0.2258	1.3342	2.8900e-003	0.2963	2.6100e-003	0.2990	0.0792	2.4500e-003	0.0816	0.0000	266.7201	266.7201	0.0149	0.0143	271.3411

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	217.12	219.42	196.65	785,025	785,025
Total	217.12	219.42	196.65	785,025	785,025

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	16.80	7.10	7.90	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	0.531780	0.056022	0.172399	0.135630	0.029743	0.007796	0.007114	0.023242	0.000520	0.000194	0.028649	0.001160	0.005752

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	32.4874	32.4874	2.7400e-003	3.3000e-004	32.6550
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	32.4874	32.4874	2.7400e-003	3.3000e-004	32.6550
NaturalGas Mitigated	3.5100e-003	0.0300	0.0128	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	34.7185	34.7185	6.7000e-004	6.4000e-004	34.9248
NaturalGas Unmitigated	3.5100e-003	0.0300	0.0128	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	34.7185	34.7185	6.7000e-004	6.4000e-004	34.9248

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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 - 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	650600	3.5100e-003	0.0300	0.0128	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	34.7185	34.7185	6.7000e-004	6.4000e-004	34.9248
Total		3.5100e-003	0.0300	0.0128	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	34.7185	34.7185	6.7000e-004	6.4000e-004	34.9248

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	650600	3.5100e-003	0.0300	0.0128	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	34.7185	34.7185	6.7000e-004	6.4000e-004	34.9248
Total		3.5100e-003	0.0300	0.0128	1.9000e-004		2.4200e-003	2.4200e-003		2.4200e-003	2.4200e-003	0.0000	34.7185	34.7185	6.7000e-004	6.4000e-004	34.9248

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	183187	32.4874	2.7400e-003	3.3000e-004	32.6550
Total		32.4874	2.7400e-003	3.3000e-004	32.6550

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	183187	32.4874	2.7400e-003	3.3000e-004	32.6550
Total		32.4874	2.7400e-003	3.3000e-004	32.6550

6.0 Area Detail

6.1 Mitigation Measures Area

Joshua Tree 304 - Mojave Desert Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2316	1.9700e-003	0.1707	1.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	0.2790	0.2790	2.7000e-004	0.0000	0.2857
Unmitigated	0.2316	1.9700e-003	0.1707	1.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	0.2790	0.2790	2.7000e-004	0.0000	0.2857

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	0.0648					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1617					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.1300e-003	1.9700e-003	0.1707	1.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	0.2790	0.2790	2.7000e-004	0.0000	0.2857
Total	0.2316	1.9700e-003	0.1707	1.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	0.2790	0.2790	2.7000e-004	0.0000	0.2857

Joshua Tree 304 - Mojave Desert Air Basin, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0648					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1617					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.1300e-003	1.9700e-003	0.1707	1.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	0.2790	0.2790	2.7000e-004	0.0000	0.2857
Total	0.2316	1.9700e-003	0.1707	1.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	0.2790	0.2790	2.7000e-004	0.0000	0.2857

7.0 Water Detail

7.1 Mitigation Measures Water

Joshua Tree 304 - Mojave Desert Air Basin, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.7973	0.0493	1.2100e-003	7.3891
Unmitigated	5.7973	0.0493	1.2100e-003	7.3891

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	1.49854 / 0.944733	5.7973	0.0493	1.2100e-003	7.3891
Total		5.7973	0.0493	1.2100e-003	7.3891

Joshua Tree 304 - Mojave Desert Air Basin, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	1.49854 / 0.944733	5.7973	0.0493	1.2100e-003	7.3891
Total		5.7973	0.0493	1.2100e-003	7.3891

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.4942	0.2656	0.0000	11.1342
Unmitigated	4.4942	0.2656	0.0000	11.1342

Joshua Tree 304 - Mojave Desert Air Basin, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	22.14	4.4942	0.2656	0.0000	11.1342
Total		4.4942	0.2656	0.0000	11.1342

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	22.14	4.4942	0.2656	0.0000	11.1342
Total		4.4942	0.2656	0.0000	11.1342

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Joshua Tree 304 - Mojave Desert Air Basin, Annual

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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