

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, Summer

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

TTM 20488 - Victorville 152

Mojave Desert AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	152.00	Dwelling Unit	40.26	273,600.00	435

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
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 -
- Land Use - Lot acreage per site plan.
- Construction Phase - No demolition phase
- Grading - Acres graded and import per earthwork volume analysis
- Construction Off-road Equipment Mitigation - Construction mitigation for fugitive dust
- Architectural Coating - Residential VOC per updated Rule 1113
- Woodstoves - Strictly wood burning fireplaces lowered to 10 % of units
- Area Coating - Emission factor lowered for Rule 1113 updates

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00

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tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	20
tblFireplaces	NumberGas	83.60	121.60
tblFireplaces	NumberWood	53.20	15.20
tblGrading	AcresOfGrading	225.00	40.26
tblGrading	AcresOfGrading	45.00	40.26
tblGrading	MaterialImported	0.00	5,822.00
tblLandUse	LotAcreage	49.35	40.26

2.0 Emissions Summary

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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					
2022	3.7283	39.7964	29.8950	0.0680	19.6373	1.6478	21.2506	10.1236	1.5164	11.6078	0.0000	6,634.7523	6,634.7523	1.9501	0.0779	6,706.7238
2023	1.7982	15.0367	18.0777	0.0342	0.5603	0.7074	1.2677	0.1511	0.6657	0.8168	0.0000	3,299.0663	3,299.0663	0.6207	0.0560	3,331.2764
2024	1.6811	14.0771	17.8751	0.0340	0.5603	0.6208	1.1812	0.1511	0.5840	0.7351	0.0000	3,278.5260	3,278.5260	0.6160	0.0542	3,310.0708
2025	31.3323	13.0873	17.6801	0.0338	0.5603	0.5350	1.0953	0.1511	0.5033	0.6544	0.0000	3,258.9232	3,258.9232	0.7162	0.0525	3,289.8512
2026	31.3300	1.1608	2.0582	3.7100e-003	0.0904	0.0519	0.1422	0.0240	0.0518	0.0758	0.0000	355.8648	355.8648	0.0170	1.7500e-003	356.8132
Maximum	31.3323	39.7964	29.8950	0.0680	19.6373	1.6478	21.2506	10.1236	1.5164	11.6078	0.0000	6,634.7523	6,634.7523	1.9501	0.0779	6,706.7238

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	76.0519	3.4630	119.7708	0.2396		15.7010	15.7010		15.7010	15.7010	1,796.1245	2,597.6388	4,393.7633	3.9327	0.1328	4,531.6552
Energy	0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904
Mobile	4.9976	5.9744	42.0058	0.0880	8.6921	0.0729	8.7650	2.3171	0.0685	2.3855		8,956.7127	8,956.7127	0.4677	0.4380	9,098.9391
Total	81.1765	10.5230	162.2386	0.3345	8.6921	15.8617	24.5538	2.3171	15.8573	18.1743	1,796.1245	12,940.2064	14,736.3309	4.4269	0.5962	15,024.6847

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	76.0519	3.4630	119.7708	0.2396		15.7010	15.7010		15.7010	15.7010	1,796.1245	2,597.6388	4,393.7633	3.9327	0.1328	4,531.6552
Energy	0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904
Mobile	4.9976	5.9744	42.0058	0.0880	8.6921	0.0729	8.7650	2.3171	0.0685	2.3855		8,956.7127	8,956.7127	0.4677	0.4380	9,098.9391
Total	81.1765	10.5230	162.2386	0.3345	8.6921	15.8617	24.5538	2.3171	15.8573	18.1743	1,796.1245	12,940.2064	14,736.3309	4.4269	0.5962	15,024.6847

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/7/2022	6/17/2022	5	30	
2	Grading	Grading	6/18/2022	9/30/2022	5	75	
3	Building Construction	Building Construction	10/1/2022	8/1/2025	5	740	
4	Paving	Paving	8/2/2025	10/17/2025	5	55	
5	Architectural Coating	Architectural Coating	10/18/2025	1/2/2026	5	55	

Acres of Grading (Site Preparation Phase): 40.26

Acres of Grading (Grading Phase): 40.26

Acres of Paving: 0

Residential Indoor: 554,040; Residential Outdoor: 184,680; 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	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	576.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	55.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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3.2 Site Preparation - 2022

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					19.4895	0.0000	19.4895	10.0844	0.0000	10.0844			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	19.4895	1.6126	21.1020	10.0844	1.4836	11.5679		3,686.0619	3,686.0619	1.1922		3,715.8655

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	0.0713	0.0398	0.5573	1.3800e-003	0.1479	7.4000e-004	0.1486	0.0392	6.8000e-004	0.0399		139.2770	139.2770	4.1600e-003	3.8400e-003	140.5257
Total	0.0713	0.0398	0.5573	1.3800e-003	0.1479	7.4000e-004	0.1486	0.0392	6.8000e-004	0.0399		139.2770	139.2770	4.1600e-003	3.8400e-003	140.5257

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3.2 Site Preparation - 2022

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					7.6009	0.0000	7.6009	3.9329	0.0000	3.9329			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5
Total	3.1701	33.0835	19.6978	0.0380	7.6009	1.6126	9.2135	3.9329	1.4836	5.4165	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5

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	0.0713	0.0398	0.5573	1.3800e-003	0.1222	7.4000e-004	0.1229	0.0329	6.8000e-004	0.0336		139.2770	139.2770	4.1600e-003	3.8400e-003	140.5257
Total	0.0713	0.0398	0.5573	1.3800e-003	0.1222	7.4000e-004	0.1229	0.0329	6.8000e-004	0.0336		139.2770	139.2770	4.1600e-003	3.8400e-003	140.5257

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3.3 Grading - 2022

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					6.5914	0.0000	6.5914	3.3717	0.0000	3.3717			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	6.5914	1.6349	8.2263	3.3717	1.5041	4.8758		6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0243	0.9087	0.2343	4.4300e-003	0.1348	0.0121	0.1469	0.0370	0.0116	0.0486		468.5895	468.5895	1.2300e-003	0.0737	490.5683
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	0.0792	0.0443	0.6192	1.5300e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		154.7522	154.7522	4.6200e-003	4.2700e-003	156.1397
Total	0.1035	0.9529	0.8535	5.9600e-003	0.2991	0.0129	0.3120	0.0806	0.0123	0.0929		623.3417	623.3417	5.8500e-003	0.0779	646.7080

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3.3 Grading - 2022

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					2.5706	0.0000	2.5706	1.3150	0.0000	1.3150			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	2.5706	1.6349	4.2055	1.3150	1.5041	2.8191	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0243	0.9087	0.2343	4.4300e-003	0.1144	0.0121	0.1265	0.0320	0.0116	0.0436		468.5895	468.5895	1.2300e-003	0.0737	490.5683
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	0.0792	0.0443	0.6192	1.5300e-003	0.1357	8.3000e-004	0.1366	0.0366	7.6000e-004	0.0373		154.7522	154.7522	4.6200e-003	4.2700e-003	156.1397
Total	0.1035	0.9529	0.8535	5.9600e-003	0.2502	0.0129	0.2631	0.0686	0.0123	0.0809		623.3417	623.3417	5.8500e-003	0.0779	646.7080

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3.4 Building Construction - 2022

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.0302	0.6537	0.2972	3.2600e-003	0.1085	9.1300e-003	0.1177	0.0313	8.7400e-003	0.0400		342.3168	342.3168	1.7600e-003	0.0468	356.3053
Worker	0.2178	0.1217	1.7028	4.2100e-003	0.4518	2.2700e-003	0.4541	0.1198	2.0900e-003	0.1219		425.5685	425.5685	0.0127	0.0117	429.3842
Total	0.2480	0.7754	2.0000	7.4700e-003	0.5603	0.0114	0.5718	0.1511	0.0108	0.1619		767.8853	767.8853	0.0145	0.0585	785.6895

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3.4 Building Construction - 2022

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.0302	0.6537	0.2972	3.2600e-003	0.0931	9.1300e-003	0.1022	0.0275	8.7400e-003	0.0362		342.3168	342.3168	1.7600e-003	0.0468	356.3053
Worker	0.2178	0.1217	1.7028	4.2100e-003	0.3733	2.2700e-003	0.3756	0.1006	2.0900e-003	0.1027		425.5685	425.5685	0.0127	0.0117	429.3842
Total	0.2480	0.7754	2.0000	7.4700e-003	0.4664	0.0114	0.4778	0.1280	0.0108	0.1389		767.8853	767.8853	0.0145	0.0585	785.6895

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3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0247	0.5446	0.2786	3.1600e-003	0.1085	5.5400e-003	0.1141	0.0313	5.2900e-003	0.0366		332.1206	332.1206	1.4700e-003	0.0452	345.6264
Worker	0.2008	0.1072	1.5551	4.0700e-003	0.4518	2.1300e-003	0.4539	0.1198	1.9600e-003	0.1218		411.7358	411.7358	0.0114	0.0108	415.2439
Total	0.2254	0.6518	1.8337	7.2300e-003	0.5603	7.6700e-003	0.5680	0.1511	7.2500e-003	0.1584		743.8564	743.8564	0.0129	0.0560	760.8703

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, 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	0.0247	0.5446	0.2786	3.1600e-003	0.0931	5.5400e-003	0.0986	0.0275	5.2900e-003	0.0328		332.1206	332.1206	1.4700e-003	0.0452	345.6264
Worker	0.2008	0.1072	1.5551	4.0700e-003	0.3733	2.1300e-003	0.3754	0.1006	1.9600e-003	0.1025		411.7358	411.7358	0.0114	0.0108	415.2439
Total	0.2254	0.6518	1.8337	7.2300e-003	0.4664	7.6700e-003	0.4740	0.1280	7.2500e-003	0.1353		743.8564	743.8564	0.0129	0.0560	760.8703

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, 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	0.0238	0.5384	0.2686	3.0900e-003	0.1085	5.5000e-003	0.1140	0.0313	5.2700e-003	0.0365		324.8851	324.8851	1.4000e-003	0.0442	338.0793
Worker	0.1857	0.0950	1.4396	3.9400e-003	0.4518	2.0100e-003	0.4538	0.1198	1.8500e-003	0.1217		397.9420	397.9420	0.0103	0.0100	401.1838
Total	0.2095	0.6334	1.7083	7.0300e-003	0.5603	7.5100e-003	0.5679	0.1511	7.1200e-003	0.1582		722.8271	722.8271	0.0117	0.0542	739.2631

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, 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	0.0238	0.5384	0.2686	3.0900e-003	0.0931	5.5000e-003	0.0986	0.0275	5.2700e-003	0.0327		324.8851	324.8851	1.4000e-003	0.0442	338.0793
Worker	0.1857	0.0950	1.4396	3.9400e-003	0.3733	2.0100e-003	0.3753	0.1006	1.8500e-003	0.1024		397.9420	397.9420	0.0103	0.0100	401.1838
Total	0.2095	0.6334	1.7083	7.0300e-003	0.4664	7.5100e-003	0.4739	0.1280	7.1200e-003	0.1352		722.8271	722.8271	0.0117	0.0542	739.2631

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, Summer

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

3.4 Building Construction - 2025

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0232	0.5327	0.2620	3.0300e-003	0.1085	5.4800e-003	0.1140	0.0313	5.2400e-003	0.0365		318.2044	318.2044	1.3600e-003	0.0432	331.0959
Worker	0.1725	0.0849	1.3335	3.8000e-003	0.4518	1.9100e-003	0.4537	0.1198	1.7500e-003	0.1216		384.2445	384.2445	9.2600e-003	9.3300e-003	387.2572
Total	0.1958	0.6176	1.5955	6.8300e-003	0.5603	7.3900e-003	0.5677	0.1511	6.9900e-003	0.1581		702.4489	702.4489	0.0106	0.0525	718.3531

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, Summer

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

3.4 Building Construction - 2025

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0232	0.5327	0.2620	3.0300e-003	0.0931	5.4800e-003	0.0986	0.0275	5.2400e-003	0.0327		318.2044	318.2044	1.3600e-003	0.0432	331.0959
Worker	0.1725	0.0849	1.3335	3.8000e-003	0.3733	1.9100e-003	0.3752	0.1006	1.7500e-003	0.1023		384.2445	384.2445	9.2600e-003	9.3300e-003	387.2572
Total	0.1958	0.6176	1.5955	6.8300e-003	0.4664	7.3900e-003	0.4737	0.1280	6.9900e-003	0.1350		702.4489	702.4489	0.0106	0.0525	718.3531

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, Summer

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

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

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	0.0471	0.0232	0.3637	1.0400e-003	0.1232	5.2000e-004	0.1237	0.0327	4.8000e-004	0.0332		104.7940	104.7940	2.5200e-003	2.5500e-003	105.6156
Total	0.0471	0.0232	0.3637	1.0400e-003	0.1232	5.2000e-004	0.1237	0.0327	4.8000e-004	0.0332		104.7940	104.7940	2.5200e-003	2.5500e-003	105.6156

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, Summer

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

3.5 Paving - 2025

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0232	0.3637	1.0400e-003	0.1018	5.2000e-004	0.1023	0.0274	4.8000e-004	0.0279		104.7940	104.7940	2.5200e-003	2.5500e-003	105.6156
Total	0.0471	0.0232	0.3637	1.0400e-003	0.1018	5.2000e-004	0.1023	0.0274	4.8000e-004	0.0279		104.7940	104.7940	2.5200e-003	2.5500e-003	105.6156

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, Summer

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

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.1270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	31.2978	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0345	0.0170	0.2667	7.6000e-004	0.0904	3.8000e-004	0.0907	0.0240	3.5000e-004	0.0243		76.8489	76.8489	1.8500e-003	1.8700e-003	77.4514
Total	0.0345	0.0170	0.2667	7.6000e-004	0.0904	3.8000e-004	0.0907	0.0240	3.5000e-004	0.0243		76.8489	76.8489	1.8500e-003	1.8700e-003	77.4514

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, Summer

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

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.1270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	31.2978	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0345	0.0170	0.2667	7.6000e-004	0.0747	3.8000e-004	0.0750	0.0201	3.5000e-004	0.0205		76.8489	76.8489	1.8500e-003	1.8700e-003	77.4514
Total	0.0345	0.0170	0.2667	7.6000e-004	0.0747	3.8000e-004	0.0750	0.0201	3.5000e-004	0.0205		76.8489	76.8489	1.8500e-003	1.8700e-003	77.4514

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, Summer

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

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.1270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	31.2978	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0322	0.0153	0.2491	7.4000e-004	0.0904	3.6000e-004	0.0907	0.0240	3.3000e-004	0.0243		74.4168	74.4168	1.6800e-003	1.7500e-003	74.9814
Total	0.0322	0.0153	0.2491	7.4000e-004	0.0904	3.6000e-004	0.0907	0.0240	3.3000e-004	0.0243		74.4168	74.4168	1.6800e-003	1.7500e-003	74.9814

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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 - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.1270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	31.2978	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0322	0.0153	0.2491	7.4000e-004	0.0747	3.6000e-004	0.0750	0.0201	3.3000e-004	0.0204		74.4168	74.4168	1.6800e-003	1.7500e-003	74.9814
Total	0.0322	0.0153	0.2491	7.4000e-004	0.0747	3.6000e-004	0.0750	0.0201	3.3000e-004	0.0204		74.4168	74.4168	1.6800e-003	1.7500e-003	74.9814

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.9976	5.9744	42.0058	0.0880	8.6921	0.0729	8.7650	2.3171	0.0685	2.3855		8,956.7127	8,956.7127	0.4677	0.4380	9,098.9391
Unmitigated	4.9976	5.9744	42.0058	0.0880	8.6921	0.0729	8.7650	2.3171	0.0685	2.3855		8,956.7127	8,956.7127	0.4677	0.4380	9,098.9391

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,434.88	1,450.08	1,299.60	4,026,511	4,026,511
Total	1,434.88	1,450.08	1,299.60	4,026,511	4,026,511

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	10.80	7.30	7.50	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	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423

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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	lb/day										lb/day					
NaturalGas Mitigated	0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904
NaturalGas Unmitigated	0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904

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	11779.8	0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904
Total		0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904

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

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	11.7798	0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904
Total		0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904

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	76.0519	3.4630	119.7708	0.2396		15.7010	15.7010		15.7010	15.7010	1,796.1245	2,597.6388	4,393.7633	3.9327	0.1328	4,531.6552
Unmitigated	76.0519	3.4630	119.7708	0.2396		15.7010	15.7010		15.7010	15.7010	1,796.1245	2,597.6388	4,393.7633	3.9327	0.1328	4,531.6552

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

6.2 Area by SubCategory

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	0.4690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.8550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	69.3509	3.3186	107.2359	0.2389		15.6316	15.6316		15.6316	15.6316	1,796.1245	2,575.0588	4,371.1834	3.9110	0.1328	4,508.5336
Landscaping	0.3769	0.1444	12.5349	6.6000e-004		0.0695	0.0695		0.0695	0.0695		22.5800	22.5800	0.0217		23.1216
Total	76.0519	3.4630	119.7708	0.2396		15.7010	15.7010		15.7010	15.7010	1,796.1245	2,597.6388	4,393.7633	3.9327	0.1328	4,531.6552

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.8550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	69.3509	3.3186	107.2359	0.2389		15.6316	15.6316		15.6316	15.6316	1,796.1245	2,575.0588	4,371.1834	3.9110	0.1328	4,508.5336
Landscaping	0.3769	0.1444	12.5349	6.6000e-004		0.0695	0.0695		0.0695	0.0695		22.5800	22.5800	0.0217		23.1216
Total	76.0519	3.4630	119.7708	0.2396		15.7010	15.7010		15.7010	15.7010	1,796.1245	2,597.6388	4,393.7633	3.9327	0.1328	4,531.6552

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	152.00	Dwelling Unit	40.26	273,600.00	435

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Lot acreage per site plan.
- Construction Phase - No demolition phase
- Grading - Acres graded and import per earthwork volume ananalysis
- Construction Off-road Equipment Mitigation - Construction mitigation for fugitive dust
- Architectural Coating - Residential VOC per updated Rule 1113
- Woodstoves - Strictly wood burning fireplaces lowered to 10 % of units
- Area Coating - Emission factor lowered for Rule 1113 updates

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00

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

tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	20
tblFireplaces	NumberGas	83.60	121.60
tblFireplaces	NumberWood	53.20	15.20
tblGrading	AcresOfGrading	225.00	40.26
tblGrading	AcresOfGrading	45.00	40.26
tblGrading	MaterialImported	0.00	5,822.00
tblLandUse	LotAcreage	49.35	40.26

2.0 Emissions Summary

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, 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					
2022	3.7188	39.8477	29.7762	0.0679	19.6373	1.6478	21.2506	10.1236	1.5165	11.6078	0.0000	6,618.020 0	6,618.020 0	1.9501	0.0781	6,690.040 0
2023	1.7769	15.0748	17.7756	0.0337	0.5603	0.7074	1.2678	0.1511	0.6657	0.8168	0.0000	3,254.102 0	3,254.102 0	0.6209	0.0564	3,286.430 0
2024	1.6617	14.1144	17.5987	0.0336	0.5603	0.6208	1.1812	0.1511	0.5840	0.7351	0.0000	3,235.201 3	3,235.201 3	0.6162	0.0545	3,266.857 7
2025	31.3291	13.1239	17.4271	0.0334	0.5603	0.5350	1.0953	0.1511	0.5033	0.6544	0.0000	3,217.205 5	3,217.205 5	0.7163	0.0528	3,248.239 6
2026	31.3270	1.1612	2.0095	3.6200e-003	0.0904	0.0519	0.1422	0.0240	0.0518	0.0758	0.0000	347.6239	347.6239	0.0171	1.7800e-003	348.5821
Maximum	31.3291	39.8477	29.7762	0.0679	19.6373	1.6478	21.2506	10.1236	1.5165	11.6078	0.0000	6,618.020 0	6,618.020 0	1.9501	0.0781	6,690.040 0

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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

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	76.0519	3.4630	119.7708	0.2396		15.7010	15.7010		15.7010	15.7010	1,796.1245	2,597.6388	4,393.7633	3.9327	0.1328	4,531.6552
Energy	0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904
Mobile	4.1096	6.3342	36.8535	0.0806	8.6921	0.0729	8.7650	2.3171	0.0685	2.3856		8,205.5262	8,205.5262	0.4817	0.4468	8,350.7265
Total	80.2885	10.8828	157.0862	0.3271	8.6921	15.8617	24.5538	2.3171	15.8573	18.1744	1,796.1245	12,189.0199	13,985.1444	4.4409	0.6051	14,276.4720

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	76.0519	3.4630	119.7708	0.2396		15.7010	15.7010		15.7010	15.7010	1,796.1245	2,597.6388	4,393.7633	3.9327	0.1328	4,531.6552
Energy	0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904
Mobile	4.1096	6.3342	36.8535	0.0806	8.6921	0.0729	8.7650	2.3171	0.0685	2.3856		8,205.5262	8,205.5262	0.4817	0.4468	8,350.7265
Total	80.2885	10.8828	157.0862	0.3271	8.6921	15.8617	24.5538	2.3171	15.8573	18.1744	1,796.1245	12,189.0199	13,985.1444	4.4409	0.6051	14,276.4720

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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	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	5/7/2022	6/17/2022	5	30	
2	Grading	Grading	6/18/2022	9/30/2022	5	75	
3	Building Construction	Building Construction	10/1/2022	8/1/2025	5	740	
4	Paving	Paving	8/2/2025	10/17/2025	5	55	
5	Architectural Coating	Architectural Coating	10/18/2025	1/2/2026	5	55	

Acres of Grading (Site Preparation Phase): 40.26

Acres of Grading (Grading Phase): 40.26

Acres of Paving: 0

Residential Indoor: 554,040; Residential Outdoor: 184,680; 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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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	576.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	55.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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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 - 2022

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					19.4895	0.0000	19.4895	10.0844	0.0000	10.0844			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	19.4895	1.6126	21.1020	10.0844	1.4836	11.5679		3,686.0619	3,686.0619	1.1922		3,715.8655

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	0.0641	0.0410	0.4442	1.2200e-003	0.1479	7.4000e-004	0.1486	0.0392	6.8000e-004	0.0399		123.7064	123.7064	4.2200e-003	3.9100e-003	124.9762
Total	0.0641	0.0410	0.4442	1.2200e-003	0.1479	7.4000e-004	0.1486	0.0392	6.8000e-004	0.0399		123.7064	123.7064	4.2200e-003	3.9100e-003	124.9762

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, Winter

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

3.2 Site Preparation - 2022

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					7.6009	0.0000	7.6009	3.9329	0.0000	3.9329			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5
Total	3.1701	33.0835	19.6978	0.0380	7.6009	1.6126	9.2135	3.9329	1.4836	5.4165	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5

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	0.0641	0.0410	0.4442	1.2200e-003	0.1222	7.4000e-004	0.1229	0.0329	6.8000e-004	0.0336		123.7064	123.7064	4.2200e-003	3.9100e-003	124.9762
Total	0.0641	0.0410	0.4442	1.2200e-003	0.1222	7.4000e-004	0.1229	0.0329	6.8000e-004	0.0336		123.7064	123.7064	4.2200e-003	3.9100e-003	124.9762

TTM 20488 - Victorville 152 - Mojave Desert AQMD Air District, Winter

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

3.3 Grading - 2022

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					6.5914	0.0000	6.5914	3.3717	0.0000	3.3717			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	6.5914	1.6349	8.2263	3.3717	1.5041	4.8758		6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0227	0.9587	0.2412	4.4300e-003	0.1348	0.0121	0.1469	0.0370	0.0116	0.0486		469.1580	469.1580	1.1600e-003	0.0737	491.1617
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	0.0713	0.0455	0.4935	1.3600e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		137.4515	137.4515	4.6900e-003	4.3400e-003	138.8624
Total	0.0940	1.0043	0.7347	5.7900e-003	0.2991	0.0130	0.3120	0.0806	0.0124	0.0929		606.6095	606.6095	5.8500e-003	0.0781	630.0242

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

3.3 Grading - 2022

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					2.5706	0.0000	2.5706	1.3150	0.0000	1.3150			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	2.5706	1.6349	4.2055	1.3150	1.5041	2.8191	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0227	0.9587	0.2412	4.4300e-003	0.1144	0.0121	0.1266	0.0320	0.0116	0.0436		469.1580	469.1580	1.1600e-003	0.0737	491.1617
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	0.0713	0.0455	0.4935	1.3600e-003	0.1357	8.3000e-004	0.1366	0.0366	7.6000e-004	0.0373		137.4515	137.4515	4.6900e-003	4.3400e-003	138.8624
Total	0.0940	1.0043	0.7347	5.7900e-003	0.2502	0.0130	0.2631	0.0686	0.0124	0.0809		606.6095	606.6095	5.8500e-003	0.0781	630.0242

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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 - 2022

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.0288	0.6913	0.3083	3.2600e-003	0.1085	9.1600e-003	0.1177	0.0313	8.7600e-003	0.0400		342.8701	342.8701	1.6900e-003	0.0469	356.9012
Worker	0.1960	0.1252	1.3572	3.7400e-003	0.4518	2.2700e-003	0.4541	0.1198	2.0900e-003	0.1219		377.9917	377.9917	0.0129	0.0119	381.8717
Total	0.2248	0.8165	1.6655	7.0000e-003	0.5603	0.0114	0.5718	0.1511	0.0109	0.1619		720.8617	720.8617	0.0146	0.0589	738.7729

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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 - 2022

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.0288	0.6913	0.3083	3.2600e-003	0.0931	9.1600e-003	0.1022	0.0275	8.7600e-003	0.0362		342.8701	342.8701	1.6900e-003	0.0469	356.9012
Worker	0.1960	0.1252	1.3572	3.7400e-003	0.3733	2.2700e-003	0.3756	0.1006	2.0900e-003	0.1027		377.9917	377.9917	0.0129	0.0119	381.8717
Total	0.2248	0.8165	1.6655	7.0000e-003	0.4664	0.0114	0.4778	0.1280	0.0109	0.1389		720.8617	720.8617	0.0146	0.0589	738.7729

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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 On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0231	0.5797	0.2883	3.1700e-003	0.1085	5.5500e-003	0.1141	0.0313	5.3100e-003	0.0366		333.0533	333.0533	1.4000e-003	0.0454	346.6173
Worker	0.1811	0.1102	1.2434	3.6200e-003	0.4518	2.1300e-003	0.4539	0.1198	1.9600e-003	0.1218		365.8388	365.8388	0.0116	0.0110	369.4067
Total	0.2041	0.6899	1.5316	6.7900e-003	0.5603	7.6800e-003	0.5680	0.1511	7.2700e-003	0.1584		698.8921	698.8921	0.0130	0.0564	716.0240

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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 On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0231	0.5797	0.2883	3.1700e-003	0.0931	5.5500e-003	0.0986	0.0275	5.3100e-003	0.0328		333.0533	333.0533	1.4000e-003	0.0454	346.6173
Worker	0.1811	0.1102	1.2434	3.6200e-003	0.3733	2.1300e-003	0.3754	0.1006	1.9600e-003	0.1025		365.8388	365.8388	0.0116	0.0110	369.4067
Total	0.2041	0.6899	1.5316	6.7900e-003	0.4664	7.6800e-003	0.4740	0.1280	7.2700e-003	0.1353		698.8921	698.8921	0.0130	0.0564	716.0240

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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

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0222	0.5730	0.2784	3.1000e-003	0.1085	5.5200e-003	0.1140	0.0313	5.2800e-003	0.0365		325.8073	325.8073	1.3300e-003	0.0444	339.0574
Worker	0.1679	0.0977	1.1535	3.5000e-003	0.4518	2.0100e-003	0.4538	0.1198	1.8500e-003	0.1217		353.6952	353.6952	0.0105	0.0102	356.9926
Total	0.1901	0.6706	1.4319	6.6000e-003	0.5603	7.5300e-003	0.5679	0.1511	7.1300e-003	0.1582		679.5024	679.5024	0.0118	0.0545	696.0500

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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 On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0222	0.5730	0.2784	3.1000e-003	0.0931	5.5200e-003	0.0986	0.0275	5.2800e-003	0.0327		325.8073	325.8073	1.3300e-003	0.0444	339.0574
Worker	0.1679	0.0977	1.1535	3.5000e-003	0.3733	2.0100e-003	0.3753	0.1006	1.8500e-003	0.1024		353.6952	353.6952	0.0105	0.0102	356.9926
Total	0.1901	0.6706	1.4319	6.6000e-003	0.4664	7.5300e-003	0.4739	0.1280	7.1300e-003	0.1352		679.5024	679.5024	0.0118	0.0545	696.0500

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

3.4 Building Construction - 2025

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0216	0.5670	0.2717	3.0400e-003	0.1085	5.5000e-003	0.1140	0.0313	5.2600e-003	0.0365		319.1132	319.1132	1.2900e-003	0.0433	332.0589
Worker	0.1562	0.0872	1.0707	3.3800e-003	0.4518	1.9100e-003	0.4537	0.1198	1.7500e-003	0.1216		341.6179	341.6179	9.5100e-003	9.4900e-003	344.6826
Total	0.1778	0.6542	1.3424	6.4200e-003	0.5603	7.4100e-003	0.5677	0.1511	7.0100e-003	0.1581		660.7312	660.7312	0.0108	0.0528	676.7415

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

3.4 Building Construction - 2025

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0216	0.5670	0.2717	3.0400e-003	0.0931	5.5000e-003	0.0986	0.0275	5.2600e-003	0.0327		319.1132	319.1132	1.2900e-003	0.0433	332.0589
Worker	0.1562	0.0872	1.0707	3.3800e-003	0.3733	1.9100e-003	0.3752	0.1006	1.7500e-003	0.1023		341.6179	341.6179	9.5100e-003	9.4900e-003	344.6826
Total	0.1778	0.6542	1.3424	6.4200e-003	0.4664	7.4100e-003	0.4738	0.1280	7.0100e-003	0.1350		660.7312	660.7312	0.0108	0.0528	676.7415

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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 - 2025

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0426	0.0238	0.2920	9.2000e-004	0.1232	5.2000e-004	0.1237	0.0327	4.8000e-004	0.0332		93.1685	93.1685	2.5900e-003	2.5900e-003	94.0043
Total	0.0426	0.0238	0.2920	9.2000e-004	0.1232	5.2000e-004	0.1237	0.0327	4.8000e-004	0.0332		93.1685	93.1685	2.5900e-003	2.5900e-003	94.0043

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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 - 2025

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0426	0.0238	0.2920	9.2000e-004	0.1018	5.2000e-004	0.1023	0.0274	4.8000e-004	0.0279		93.1685	93.1685	2.5900e-003	2.5900e-003	94.0043
Total	0.0426	0.0238	0.2920	9.2000e-004	0.1018	5.2000e-004	0.1023	0.0274	4.8000e-004	0.0279		93.1685	93.1685	2.5900e-003	2.5900e-003	94.0043

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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 - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.1270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	31.2978	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0312	0.0174	0.2141	6.8000e-004	0.0904	3.8000e-004	0.0907	0.0240	3.5000e-004	0.0243		68.3236	68.3236	1.9000e-003	1.9000e-003	68.9365
Total	0.0312	0.0174	0.2141	6.8000e-004	0.0904	3.8000e-004	0.0907	0.0240	3.5000e-004	0.0243		68.3236	68.3236	1.9000e-003	1.9000e-003	68.9365

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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 - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.1270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	31.2978	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0312	0.0174	0.2141	6.8000e-004	0.0747	3.8000e-004	0.0750	0.0201	3.5000e-004	0.0205		68.3236	68.3236	1.9000e-003	1.9000e-003	68.9365
Total	0.0312	0.0174	0.2141	6.8000e-004	0.0747	3.8000e-004	0.0750	0.0201	3.5000e-004	0.0205		68.3236	68.3236	1.9000e-003	1.9000e-003	68.9365

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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 - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.1270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	31.2978	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0292	0.0157	0.2003	6.5000e-004	0.0904	3.6000e-004	0.0907	0.0240	3.3000e-004	0.0243		66.1759	66.1759	1.7300e-003	1.7800e-003	66.7502
Total	0.0292	0.0157	0.2003	6.5000e-004	0.0904	3.6000e-004	0.0907	0.0240	3.3000e-004	0.0243		66.1759	66.1759	1.7300e-003	1.7800e-003	66.7502

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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 - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	31.1270					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	31.2978	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0292	0.0157	0.2003	6.5000e-004	0.0747	3.6000e-004	0.0750	0.0201	3.3000e-004	0.0204		66.1759	66.1759	1.7300e-003	1.7800e-003	66.7502
Total	0.0292	0.0157	0.2003	6.5000e-004	0.0747	3.6000e-004	0.0750	0.0201	3.3000e-004	0.0204		66.1759	66.1759	1.7300e-003	1.7800e-003	66.7502

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.1096	6.3342	36.8535	0.0806	8.6921	0.0729	8.7650	2.3171	0.0685	2.3856		8,205.526 2	8,205.526 2	0.4817	0.4468	8,350.726 5
Unmitigated	4.1096	6.3342	36.8535	0.0806	8.6921	0.0729	8.7650	2.3171	0.0685	2.3856		8,205.526 2	8,205.526 2	0.4817	0.4468	8,350.726 5

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,434.88	1,450.08	1,299.60	4,026,511	4,026,511
Total	1,434.88	1,450.08	1,299.60	4,026,511	4,026,511

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	10.80	7.30	7.50	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	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423

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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	lb/day										lb/day					
NaturalGas Mitigated	0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904
NaturalGas Unmitigated	0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904

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	11779.8	0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904
Total		0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904

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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	11.7798	0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904
Total		0.1270	1.0856	0.4620	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,385.8549	1,385.8549	0.0266	0.0254	1,394.0904

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	76.0519	3.4630	119.7708	0.2396		15.7010	15.7010		15.7010	15.7010	1,796.1245	2,597.6388	4,393.7633	3.9327	0.1328	4,531.6552
Unmitigated	76.0519	3.4630	119.7708	0.2396		15.7010	15.7010		15.7010	15.7010	1,796.1245	2,597.6388	4,393.7633	3.9327	0.1328	4,531.6552

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

6.2 Area by SubCategory

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	0.4690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.8550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	69.3509	3.3186	107.2359	0.2389		15.6316	15.6316		15.6316	15.6316	1,796.1245	2,575.0588	4,371.1834	3.9110	0.1328	4,508.5336
Landscaping	0.3769	0.1444	12.5349	6.6000e-004		0.0695	0.0695		0.0695	0.0695		22.5800	22.5800	0.0217		23.1216
Total	76.0519	3.4630	119.7708	0.2396		15.7010	15.7010		15.7010	15.7010	1,796.1245	2,597.6388	4,393.7633	3.9327	0.1328	4,531.6552

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4690					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.8550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	69.3509	3.3186	107.2359	0.2389		15.6316	15.6316		15.6316	15.6316	1,796.1245	2,575.0588	4,371.1834	3.9110	0.1328	4,508.5336
Landscaping	0.3769	0.1444	12.5349	6.6000e-004		0.0695	0.0695		0.0695	0.0695		22.5800	22.5800	0.0217		23.1216
Total	76.0519	3.4630	119.7708	0.2396		15.7010	15.7010		15.7010	15.7010	1,796.1245	2,597.6388	4,393.7633	3.9327	0.1328	4,531.6552

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

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

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Mojave Desert AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	152.00	Dwelling Unit	40.26	273,600.00	435

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Lot acreage per site plan.
- Construction Phase - No demolition phase
- Grading - Acres graded and import per earthwork volume analysis
- Construction Off-road Equipment Mitigation - Construction mitigation for fugitive dust
- Architectural Coating - Residential VOC per updated Rule 1113
- Woodstoves - Strictly wood burning fireplaces lowered to 10 % of units
- Area Coating - Emission factor lowered for Rule 1113 updates

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00

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tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	20
tblFireplaces	NumberGas	83.60	121.60
tblFireplaces	NumberWood	53.20	15.20
tblGrading	AcresOfGrading	225.00	40.26
tblGrading	AcresOfGrading	45.00	40.26
tblGrading	MaterialImported	0.00	5,822.00
tblLandUse	LotAcreage	49.35	40.26

2.0 Emissions Summary

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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					
2022	0.2501	2.5257	2.0094	4.2400e-003	0.5706	0.1127	0.6833	0.2861	0.1042	0.3903	0.0000	374.0223	374.0223	0.1011	4.4700e-003	377.8812
2023	0.2294	1.9601	2.3219	4.4000e-003	0.0716	0.0920	0.1636	0.0193	0.0865	0.1059	0.0000	384.9217	384.9217	0.0733	6.7000e-003	388.7496
2024	0.2162	1.8492	2.3157	4.4100e-003	0.0721	0.0813	0.1535	0.0195	0.0765	0.0960	0.0000	385.5929	385.5929	0.0733	6.5200e-003	389.3689
2025	0.9738	1.2716	1.8022	3.3100e-003	0.0478	0.0538	0.1016	0.0129	0.0505	0.0634	0.0000	289.7979	289.7979	0.0608	3.8000e-003	292.4504
2026	0.0313	1.1600e-003	2.0200e-003	0.0000	9.0000e-005	5.0000e-005	1.4000e-004	2.0000e-005	5.0000e-005	8.0000e-005	0.0000	0.3170	0.3170	2.0000e-005	0.0000	0.3179
Maximum	0.9738	2.5257	2.3219	4.4100e-003	0.5706	0.1127	0.6833	0.2861	0.1042	0.3903	0.0000	385.5929	385.5929	0.1011	6.7000e-003	389.3689

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2501	2.5257	2.0094	4.2400e-003	0.2364	0.1127	0.3490	0.1154	0.1042	0.2196	0.0000	374.0220	374.0220	0.1011	4.4700e-003	377.8808
2023	0.2294	1.9601	2.3219	4.4000e-003	0.0596	0.0920	0.1516	0.0164	0.0865	0.1029	0.0000	384.9214	384.9214	0.0733	6.7000e-003	388.7492
2024	0.2162	1.8492	2.3157	4.4100e-003	0.0601	0.0813	0.1414	0.0165	0.0765	0.0930	0.0000	385.5926	385.5926	0.0733	6.5200e-003	389.3685
2025	0.9738	1.2716	1.8022	3.3100e-003	0.0398	0.0538	0.0936	0.0109	0.0505	0.0614	0.0000	289.7976	289.7976	0.0608	3.8000e-003	292.4501
2026	0.0313	1.1600e-003	2.0200e-003	0.0000	7.0000e-005	5.0000e-005	1.3000e-004	2.0000e-005	5.0000e-005	7.0000e-005	0.0000	0.3170	0.3170	2.0000e-005	0.0000	0.3179
Maximum	0.9738	2.5257	2.3219	4.4100e-003	0.2364	0.1127	0.3490	0.1154	0.1042	0.2196	0.0000	385.5926	385.5926	0.1011	6.7000e-003	389.3685

	ROG	NOx	CO	SO2	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	48.06	0.00	33.24	52.85	0.00	27.23	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	2-28-2022	5-27-2022	0.2727	0.2727
2	5-28-2022	8-27-2022	1.3764	1.3764
3	8-28-2022	11-27-2022	0.9089	0.9089
4	11-28-2022	2-27-2023	0.5721	0.5721
5	2-28-2023	5-27-2023	0.5353	0.5353
6	5-28-2023	8-27-2023	0.5531	0.5531
7	8-28-2023	11-27-2023	0.5535	0.5535

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8	11-28-2023	2-27-2024	0.5314	0.5314
9	2-28-2024	5-27-2024	0.5067	0.5067
10	5-28-2024	8-27-2024	0.5178	0.5178
11	8-28-2024	11-27-2024	0.5181	0.5181
12	11-28-2024	2-27-2025	0.4954	0.4954
13	2-28-2025	5-27-2025	0.4659	0.4659
14	5-28-2025	8-27-2025	0.4342	0.4342
15	8-28-2025	11-27-2025	0.6500	0.6500
16	11-28-2025	2-27-2026	0.4178	0.4178
		Highest	1.3764	1.3764

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	4.0315	0.1491	5.5248	9.8600e-003		0.6472	0.6472		0.6472	0.6472	66.8061	97.6218	164.4279	0.1472	4.9400e-003	169.5808
Energy	0.0232	0.1981	0.0843	1.2600e-003		0.0160	0.0160		0.0160	0.0160	0.0000	444.1434	444.1434	0.0225	6.4000e-003	446.6144
Mobile	0.7253	1.1517	6.9491	0.0146	1.5193	0.0130	1.5323	0.4056	0.0122	0.4178	0.0000	1,350.2152	1,350.2152	0.0794	0.0734	1,374.0844
Waste						0.0000	0.0000		0.0000	0.0000	36.2034	0.0000	36.2034	2.1396	0.0000	89.6925
Water						0.0000	0.0000		0.0000	0.0000	3.1419	35.1707	38.3126	0.3257	7.9800e-003	48.8322
Total	4.7799	1.4989	12.5582	0.0257	1.5193	0.6761	2.1955	0.4056	0.6753	1.0809	106.1514	1,927.1510	2,033.3024	2.7144	0.0928	2,128.8044

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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	4.0315	0.1491	5.5248	9.8600e-003		0.6472	0.6472		0.6472	0.6472	66.8061	97.6218	164.4279	0.1472	4.9400e-003	169.5808
Energy	0.0232	0.1981	0.0843	1.2600e-003		0.0160	0.0160		0.0160	0.0160	0.0000	444.1434	444.1434	0.0225	6.4000e-003	446.6144
Mobile	0.7253	1.1517	6.9491	0.0146	1.5193	0.0130	1.5323	0.4056	0.0122	0.4178	0.0000	1,350.2152	1,350.2152	0.0794	0.0734	1,374.0844
Waste						0.0000	0.0000		0.0000	0.0000	36.2034	0.0000	36.2034	2.1396	0.0000	89.6925
Water						0.0000	0.0000		0.0000	0.0000	3.1419	35.1707	38.3126	0.3257	7.9800e-003	48.8322
Total	4.7799	1.4989	12.5582	0.0257	1.5193	0.6761	2.1955	0.4056	0.6753	1.0809	106.1514	1,927.1510	2,033.3024	2.7144	0.0928	2,128.8044

	ROG	NOx	CO	SO2	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	5/7/2022	6/17/2022	5	30	
2	Grading	Grading	6/18/2022	9/30/2022	5	75	
3	Building Construction	Building Construction	10/1/2022	8/1/2025	5	740	

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4	Paving	Paving	8/2/2025	10/17/2025	5	55
5	Architectural Coating	Architectural Coating	10/18/2025	1/2/2026	5	55

Acres of Grading (Site Preparation Phase): 40.26

Acres of Grading (Grading Phase): 40.26

Acres of Paving: 0

Residential Indoor: 554,040; Residential Outdoor: 184,680; 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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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	576.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	55.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2022

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					0.2923	0.0000	0.2923	0.1513	0.0000	0.1513	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0476	0.4963	0.2955	5.7000e-004		0.0242	0.0242		0.0223	0.0223	0.0000	50.1591	50.1591	0.0162	0.0000	50.5647
Total	0.0476	0.4963	0.2955	5.7000e-004	0.2923	0.0242	0.3165	0.1513	0.0223	0.1735	0.0000	50.1591	50.1591	0.0162	0.0000	50.5647

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3.2 Site Preparation - 2022

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	9.0000e-004	6.5000e-004	7.1400e-003	2.0000e-005	2.1800e-003	1.0000e-005	2.1900e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7310	1.7310	6.0000e-005	6.0000e-005	1.7490
Total	9.0000e-004	6.5000e-004	7.1400e-003	2.0000e-005	2.1800e-003	1.0000e-005	2.1900e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7310	1.7310	6.0000e-005	6.0000e-005	1.7490

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					0.1140	0.0000	0.1140	0.0590	0.0000	0.0590	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0476	0.4963	0.2955	5.7000e-004		0.0242	0.0242		0.0223	0.0223	0.0000	50.1590	50.1590	0.0162	0.0000	50.5646
Total	0.0476	0.4963	0.2955	5.7000e-004	0.1140	0.0242	0.1382	0.0590	0.0223	0.0812	0.0000	50.1590	50.1590	0.0162	0.0000	50.5646

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3.2 Site Preparation - 2022

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	9.0000e-004	6.5000e-004	7.1400e-003	2.0000e-005	1.8000e-003	1.0000e-005	1.8100e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.7310	1.7310	6.0000e-005	6.0000e-005	1.7490
Total	9.0000e-004	6.5000e-004	7.1400e-003	2.0000e-005	1.8000e-003	1.0000e-005	1.8100e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.7310	1.7310	6.0000e-005	6.0000e-005	1.7490

3.3 Grading - 2022

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					0.2472	0.0000	0.2472	0.1264	0.0000	0.1264	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1359	1.4566	1.0891	2.3300e-003		0.0613	0.0613		0.0564	0.0564	0.0000	204.5048	204.5048	0.0661	0.0000	206.1583
Total	0.1359	1.4566	1.0891	2.3300e-003	0.2472	0.0613	0.3085	0.1264	0.0564	0.1828	0.0000	204.5048	204.5048	0.0661	0.0000	206.1583

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3.3 Grading - 2022

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	8.9000e-004	0.0361	8.8900e-003	1.7000e-004	4.9700e-003	4.5000e-004	5.4300e-003	1.3700e-003	4.3000e-004	1.8000e-003	0.0000	15.9493	15.9493	4.0000e-005	2.5100e-003	16.6973
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	2.4900e-003	1.8200e-003	0.0199	5.0000e-005	6.0500e-003	3.0000e-005	6.0800e-003	1.6100e-003	3.0000e-005	1.6400e-003	0.0000	4.8083	4.8083	1.6000e-004	1.5000e-004	4.8583
Total	3.3800e-003	0.0379	0.0287	2.2000e-004	0.0110	4.8000e-004	0.0115	2.9800e-003	4.6000e-004	3.4400e-003	0.0000	20.7575	20.7575	2.0000e-004	2.6600e-003	21.5556

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					0.0964	0.0000	0.0964	0.0493	0.0000	0.0493	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1359	1.4566	1.0891	2.3300e-003		0.0613	0.0613		0.0564	0.0564	0.0000	204.5045	204.5045	0.0661	0.0000	206.1580
Total	0.1359	1.4566	1.0891	2.3300e-003	0.0964	0.0613	0.1577	0.0493	0.0564	0.1057	0.0000	204.5045	204.5045	0.0661	0.0000	206.1580

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3.3 Grading - 2022

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	8.9000e-004	0.0361	8.8900e-003	1.7000e-004	4.2300e-003	4.5000e-004	4.6800e-003	1.1800e-003	4.3000e-004	1.6200e-003	0.0000	15.9493	15.9493	4.0000e-005	2.5100e-003	16.6973
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	2.4900e-003	1.8200e-003	0.0199	5.0000e-005	5.0000e-003	3.0000e-005	5.0300e-003	1.3500e-003	3.0000e-005	1.3800e-003	0.0000	4.8083	4.8083	1.6000e-004	1.5000e-004	4.8583
Total	3.3800e-003	0.0379	0.0287	2.2000e-004	9.2300e-003	4.8000e-004	9.7100e-003	2.5300e-003	4.6000e-004	3.0000e-003	0.0000	20.7575	20.7575	2.0000e-004	2.6600e-003	21.5556

3.4 Building Construction - 2022

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	0.0555	0.5075	0.5318	8.8000e-004		0.0263	0.0263		0.0247	0.0247	0.0000	75.3107	75.3107	0.0180	0.0000	75.7618
Total	0.0555	0.5075	0.5318	8.8000e-004		0.0263	0.0263		0.0247	0.0247	0.0000	75.3107	75.3107	0.0180	0.0000	75.7618

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3.4 Building Construction - 2022

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	9.5000e-004	0.0224	9.8400e-003	1.1000e-004	3.4800e-003	3.0000e-004	3.7700e-003	1.0000e-003	2.8000e-004	1.2900e-003	0.0000	10.0996	10.0996	5.0000e-005	1.3800e-003	10.5130
Worker	5.9300e-003	4.3300e-003	0.0473	1.2000e-004	0.0144	7.0000e-005	0.0145	3.8300e-003	7.0000e-005	3.9000e-003	0.0000	11.4597	11.4597	3.9000e-004	3.7000e-004	11.5789
Total	6.8800e-003	0.0268	0.0571	2.3000e-004	0.0179	3.7000e-004	0.0183	4.8300e-003	3.5000e-004	5.1900e-003	0.0000	21.5593	21.5593	4.4000e-004	1.7500e-003	22.0919

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	0.0555	0.5075	0.5318	8.8000e-004		0.0263	0.0263		0.0247	0.0247	0.0000	75.3106	75.3106	0.0180	0.0000	75.7617
Total	0.0555	0.5075	0.5318	8.8000e-004		0.0263	0.0263		0.0247	0.0247	0.0000	75.3106	75.3106	0.0180	0.0000	75.7617

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3.4 Building Construction - 2022

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	9.5000e-004	0.0224	9.8400e-003	1.1000e-004	2.9800e-003	3.0000e-004	3.2800e-003	8.8000e-004	2.8000e-004	1.1700e-003	0.0000	10.0996	10.0996	5.0000e-005	1.3800e-003	10.5130
Worker	5.9300e-003	4.3300e-003	0.0473	1.2000e-004	0.0119	7.0000e-005	0.0120	3.2200e-003	7.0000e-005	3.2800e-003	0.0000	11.4597	11.4597	3.9000e-004	3.7000e-004	11.5789
Total	6.8800e-003	0.0268	0.0571	2.3000e-004	0.0149	3.7000e-004	0.0153	4.1000e-003	3.5000e-004	4.4500e-003	0.0000	21.5593	21.5593	4.4000e-004	1.7500e-003	22.0919

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

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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	3.0800e-003	0.0748	0.0369	4.1000e-004	0.0139	7.2000e-004	0.0146	4.0100e-003	6.9000e-004	4.7000e-003	0.0000	39.2147	39.2147	1.7000e-004	5.3500e-003	40.8121
Worker	0.0219	0.0153	0.1733	4.8000e-004	0.0577	2.8000e-004	0.0580	0.0153	2.6000e-004	0.0156	0.0000	44.3609	44.3609	1.4100e-003	1.3500e-003	44.7991
Total	0.0250	0.0900	0.2101	8.9000e-004	0.0716	1.0000e-003	0.0726	0.0193	9.5000e-004	0.0203	0.0000	83.5756	83.5756	1.5800e-003	6.7000e-003	85.6113

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

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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	3.0800e-003	0.0748	0.0369	4.1000e-004	0.0119	7.2000e-004	0.0127	3.5300e-003	6.9000e-004	4.2200e-003	0.0000	39.2147	39.2147	1.7000e-004	5.3500e-003	40.8121
Worker	0.0219	0.0153	0.1733	4.8000e-004	0.0477	2.8000e-004	0.0480	0.0129	2.6000e-004	0.0131	0.0000	44.3609	44.3609	1.4100e-003	1.3500e-003	44.7991
Total	0.0250	0.0900	0.2101	8.9000e-004	0.0596	1.0000e-003	0.0606	0.0164	9.5000e-004	0.0173	0.0000	83.5756	83.5756	1.5800e-003	6.7000e-003	85.6113

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

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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	2.9900e-003	0.0744	0.0359	4.1000e-004	0.0140	7.2000e-004	0.0147	4.0400e-003	6.9000e-004	4.7300e-003	0.0000	38.6560	38.6560	1.6000e-004	5.2600e-003	40.2284
Worker	0.0204	0.0136	0.1620	4.7000e-004	0.0581	2.6000e-004	0.0584	0.0154	2.4000e-004	0.0157	0.0000	43.2146	43.2146	1.2800e-003	1.2600e-003	43.6227
Total	0.0234	0.0881	0.1978	8.8000e-004	0.0721	9.8000e-004	0.0731	0.0195	9.3000e-004	0.0204	0.0000	81.8706	81.8706	1.4400e-003	6.5200e-003	83.8510

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

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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	2.9900e-003	0.0744	0.0359	4.1000e-004	0.0120	7.2000e-004	0.0128	3.5600e-003	6.9000e-004	4.2500e-003	0.0000	38.6560	38.6560	1.6000e-004	5.2600e-003	40.2284
Worker	0.0204	0.0136	0.1620	4.7000e-004	0.0481	2.6000e-004	0.0483	0.0130	2.4000e-004	0.0132	0.0000	43.2146	43.2146	1.2800e-003	1.2600e-003	43.6227
Total	0.0234	0.0881	0.1978	8.8000e-004	0.0601	9.8000e-004	0.0611	0.0165	9.3000e-004	0.0175	0.0000	81.8706	81.8706	1.4400e-003	6.5200e-003	83.8510

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1046	0.9539	1.2305	2.0600e-003		0.0404	0.0404		0.0380	0.0380	0.0000	177.4184	177.4184	0.0417	0.0000	178.4610
Total	0.1046	0.9539	1.2305	2.0600e-003		0.0404	0.0404		0.0380	0.0380	0.0000	177.4184	177.4184	0.0417	0.0000	178.4610

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3.4 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7100e-003	0.0430	0.0204	2.3000e-004	8.1800e-003	4.2000e-004	8.6000e-003	2.3600e-003	4.0000e-004	2.7600e-003	0.0000	22.1099	22.1099	9.0000e-005	3.0000e-003	23.0070
Worker	0.0111	7.1000e-003	0.0878	2.7000e-004	0.0340	1.5000e-004	0.0341	9.0200e-003	1.3000e-004	9.1500e-003	0.0000	24.3725	24.3725	6.8000e-004	6.9000e-004	24.5939
Total	0.0128	0.0501	0.1082	5.0000e-004	0.0421	5.7000e-004	0.0427	0.0114	5.3000e-004	0.0119	0.0000	46.4824	46.4824	7.7000e-004	3.6900e-003	47.6009

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	0.1046	0.9539	1.2305	2.0600e-003		0.0404	0.0404		0.0380	0.0380	0.0000	177.4182	177.4182	0.0417	0.0000	178.4608
Total	0.1046	0.9539	1.2305	2.0600e-003		0.0404	0.0404		0.0380	0.0380	0.0000	177.4182	177.4182	0.0417	0.0000	178.4608

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3.4 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7100e-003	0.0430	0.0204	2.3000e-004	7.0200e-003	4.2000e-004	7.4400e-003	2.0800e-003	4.0000e-004	2.4800e-003	0.0000	22.1099	22.1099	9.0000e-005	3.0000e-003	23.0070
Worker	0.0111	7.1000e-003	0.0878	2.7000e-004	0.0281	1.5000e-004	0.0282	7.5700e-003	1.3000e-004	7.7100e-003	0.0000	24.3725	24.3725	6.8000e-004	6.9000e-004	24.5939
Total	0.0128	0.0501	0.1082	5.0000e-004	0.0351	5.7000e-004	0.0357	9.6500e-003	5.3000e-004	0.0102	0.0000	46.4824	46.4824	7.7000e-004	3.6900e-003	47.6009

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0252	0.2360	0.4009	6.3000e-004		0.0115	0.0115		0.0106	0.0106	0.0000	55.0530	55.0530	0.0178	0.0000	55.4981
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0252	0.2360	0.4009	6.3000e-004		0.0115	0.0115		0.0106	0.0106	0.0000	55.0530	55.0530	0.0178	0.0000	55.4981

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3.5 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.0900e-003	7.0000e-004	8.6100e-003	3.0000e-005	3.3300e-003	1.0000e-005	3.3400e-003	8.8000e-004	1.0000e-005	9.0000e-004	0.0000	2.3895	2.3895	7.0000e-005	7.0000e-005	2.4112
Total	1.0900e-003	7.0000e-004	8.6100e-003	3.0000e-005	3.3300e-003	1.0000e-005	3.3400e-003	8.8000e-004	1.0000e-005	9.0000e-004	0.0000	2.3895	2.3895	7.0000e-005	7.0000e-005	2.4112

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	0.0252	0.2360	0.4009	6.3000e-004		0.0115	0.0115		0.0106	0.0106	0.0000	55.0529	55.0529	0.0178	0.0000	55.4980
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0252	0.2360	0.4009	6.3000e-004		0.0115	0.0115		0.0106	0.0106	0.0000	55.0529	55.0529	0.0178	0.0000	55.4980

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3.5 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.0900e-003	7.0000e-004	8.6100e-003	3.0000e-005	2.7500e-003	1.0000e-005	2.7700e-003	7.4000e-004	1.0000e-005	7.6000e-004	0.0000	2.3895	2.3895	7.0000e-005	7.0000e-005	2.4112
Total	1.0900e-003	7.0000e-004	8.6100e-003	3.0000e-005	2.7500e-003	1.0000e-005	2.7700e-003	7.4000e-004	1.0000e-005	7.6000e-004	0.0000	2.3895	2.3895	7.0000e-005	7.0000e-005	2.4112

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5300e-003	0.0304	0.0479	8.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003	0.0000	6.7661	6.7661	3.7000e-004	0.0000	6.7754
Total	0.8294	0.0304	0.0479	8.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003	0.0000	6.7661	6.7661	3.7000e-004	0.0000	6.7754

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3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	4.9000e-004	6.0800e-003	2.0000e-005	2.3500e-003	1.0000e-005	2.3600e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.6886	1.6886	5.0000e-005	5.0000e-005	1.7039
Total	7.7000e-004	4.9000e-004	6.0800e-003	2.0000e-005	2.3500e-003	1.0000e-005	2.3600e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.6886	1.6886	5.0000e-005	5.0000e-005	1.7039

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	0.8249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5300e-003	0.0304	0.0479	8.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003	0.0000	6.7661	6.7661	3.7000e-004	0.0000	6.7753
Total	0.8294	0.0304	0.0479	8.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003	0.0000	6.7661	6.7661	3.7000e-004	0.0000	6.7753

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3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	4.9000e-004	6.0800e-003	2.0000e-005	1.9400e-003	1.0000e-005	1.9500e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.6886	1.6886	5.0000e-005	5.0000e-005	1.7039
Total	7.7000e-004	4.9000e-004	6.0800e-003	2.0000e-005	1.9400e-003	1.0000e-005	1.9500e-003	5.2000e-004	1.0000e-005	5.3000e-004	0.0000	1.6886	1.6886	5.0000e-005	5.0000e-005	1.7039

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0311					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	0.0313	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557

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3.6 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0617	0.0617	0.0000	0.0000	0.0623
Total	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0617	0.0617	0.0000	0.0000	0.0623

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	0.0311					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7000e-004	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557
Total	0.0313	1.1500e-003	1.8100e-003	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.2553	0.2553	1.0000e-005	0.0000	0.2557

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3.6 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0617	0.0617	0.0000	0.0000	0.0623
Total	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0617	0.0617	0.0000	0.0000	0.0623

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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	0.7253	1.1517	6.9491	0.0146	1.5193	0.0130	1.5323	0.4056	0.0122	0.4178	0.0000	1,350.215 2	1,350.215 2	0.0794	0.0734	1,374.084 4
Unmitigated	0.7253	1.1517	6.9491	0.0146	1.5193	0.0130	1.5323	0.4056	0.0122	0.4178	0.0000	1,350.215 2	1,350.215 2	0.0794	0.0734	1,374.084 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,434.88	1,450.08	1,299.60	4,026,511	4,026,511
Total	1,434.88	1,450.08	1,299.60	4,026,511	4,026,511

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	10.80	7.30	7.50	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	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423

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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	214.6995	214.6995	0.0181	2.2000e-003	215.8071
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	214.6995	214.6995	0.0181	2.2000e-003	215.8071
NaturalGas Mitigated	0.0232	0.1981	0.0843	1.2600e-003		0.0160	0.0160		0.0160	0.0160	0.0000	229.4438	229.4438	4.4000e-003	4.2100e-003	230.8073
NaturalGas Unmitigated	0.0232	0.1981	0.0843	1.2600e-003		0.0160	0.0160		0.0160	0.0160	0.0000	229.4438	229.4438	4.4000e-003	4.2100e-003	230.8073

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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	4.29961e+006	0.0232	0.1981	0.0843	1.2600e-003		0.0160	0.0160		0.0160	0.0160	0.0000	229.4438	229.4438	4.4000e-003	4.2100e-003	230.8073
Total		0.0232	0.1981	0.0843	1.2600e-003		0.0160	0.0160		0.0160	0.0160	0.0000	229.4438	229.4438	4.4000e-003	4.2100e-003	230.8073

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	4.29961e+006	0.0232	0.1981	0.0843	1.2600e-003		0.0160	0.0160		0.0160	0.0160	0.0000	229.4438	229.4438	4.4000e-003	4.2100e-003	230.8073
Total		0.0232	0.1981	0.0843	1.2600e-003		0.0160	0.0160		0.0160	0.0160	0.0000	229.4438	229.4438	4.4000e-003	4.2100e-003	230.8073

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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	1.21063e+006	214.6995	0.0181	2.2000e-003	215.8071
Total		214.6995	0.0181	2.2000e-003	215.8071

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	1.21063e+006	214.6995	0.0181	2.2000e-003	215.8071
Total		214.6995	0.0181	2.2000e-003	215.8071

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.0315	0.1491	5.5248	9.8600e-003		0.6472	0.6472		0.6472	0.6472	66.8061	97.6218	164.4279	0.1472	4.9400e-003	169.5808
Unmitigated	4.0315	0.1491	5.5248	9.8600e-003		0.6472	0.6472		0.6472	0.6472	66.8061	97.6218	164.4279	0.1472	4.9400e-003	169.5808

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	0.0856					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0685					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.8434	0.1361	4.3967	9.8000e-003		0.6409	0.6409		0.6409	0.6409	66.8061	95.7782	162.5843	0.1455	4.9400e-003	167.6930
Landscaping	0.0339	0.0130	1.1281	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8436	1.8436	1.7700e-003	0.0000	1.8878
Total	4.0315	0.1491	5.5248	9.8600e-003		0.6471	0.6471		0.6471	0.6471	66.8061	97.6218	164.4279	0.1472	4.9400e-003	169.5808

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0856					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0685					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.8434	0.1361	4.3967	9.8000e-003		0.6409	0.6409		0.6409	0.6409	66.8061	95.7782	162.5843	0.1455	4.9400e-003	167.6930
Landscaping	0.0339	0.0130	1.1281	6.0000e-005		6.2500e-003	6.2500e-003		6.2500e-003	6.2500e-003	0.0000	1.8436	1.8436	1.7700e-003	0.0000	1.8878
Total	4.0315	0.1491	5.5248	9.8600e-003		0.6471	0.6471		0.6471	0.6471	66.8061	97.6218	164.4279	0.1472	4.9400e-003	169.5808

7.0 Water Detail

7.1 Mitigation Measures Water

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	38.3126	0.3257	7.9800e-003	48.8322
Unmitigated	38.3126	0.3257	7.9800e-003	48.8322

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	9.90341 / 6.24346	38.3126	0.3257	7.9800e-003	48.8322
Total		38.3126	0.3257	7.9800e-003	48.8322

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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	9.90341 / 6.24346	38.3126	0.3257	7.9800e-003	48.8322
Total		38.3126	0.3257	7.9800e-003	48.8322

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	36.2034	2.1396	0.0000	89.6925
Unmitigated	36.2034	2.1396	0.0000	89.6925

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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	178.35	36.2034	2.1396	0.0000	89.6925
Total		36.2034	2.1396	0.0000	89.6925

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	178.35	36.2034	2.1396	0.0000	89.6925
Total		36.2034	2.1396	0.0000	89.6925

9.0 Operational Offroad

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

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

Mojave Desert AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

TTM 20488 - Victorville 152**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

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

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	4.70000E-003	3.15000E-002	4.97500E-002	8.00000E-005	1.42000E-003	1.42000E-003	0.00000E+000	7.02145E+000	7.02145E+000	3.80000E-004	0.00000E+000	7.03102E+000
Cranes	1.09550E-001	1.16674E+000	5.82140E-001	1.87000E-003	4.87900E-002	4.48900E-002	0.00000E+000	1.64125E+002	1.64125E+002	5.30800E-002	0.00000E+000	1.65452E+002
Excavators	1.51800E-002	1.33270E-001	2.44140E-001	3.90000E-004	6.44000E-003	5.93000E-003	0.00000E+000	3.40205E+001	3.40205E+001	1.10000E-002	0.00000E+000	3.42955E+001
Forklifts	1.08030E-001	1.01221E+000	1.26690E+000	1.70000E-003	6.00500E-002	5.52500E-002	0.00000E+000	1.49063E+002	1.49063E+002	4.82100E-002	0.00000E+000	1.50269E+002
Generator Sets	1.08210E-001	9.64780E-001	1.35641E+000	2.43000E-003	4.32500E-002	4.32500E-002	0.00000E+000	2.09127E+002	2.09127E+002	8.70000E-003	0.00000E+000	2.09344E+002
Graders	1.55600E-002	1.97160E-001	6.45700E-002	2.50000E-004	6.27000E-003	5.77000E-003	0.00000E+000	2.18159E+001	2.18159E+001	7.06000E-003	0.00000E+000	2.19923E+001
Pavers	9.56000E-003	8.70700E-002	1.59270E-001	2.60000E-004	4.08000E-003	3.75000E-003	0.00000E+000	2.27020E+001	2.27020E+001	7.34000E-003	0.00000E+000	2.28855E+001
Paving Equipment	8.07000E-003	6.95600E-002	1.40060E-001	2.20000E-004	3.44000E-003	3.16000E-003	0.00000E+000	1.96745E+001	1.96745E+001	6.36000E-003	0.00000E+000	1.98336E+001
Rollers	7.53000E-003	7.93700E-002	1.01570E-001	1.40000E-004	3.99000E-003	3.67000E-003	0.00000E+000	1.26765E+001	1.26765E+001	4.10000E-003	0.00000E+000	1.27790E+001
Rubber Tired Dozers	6.90600E-002	7.25480E-001	2.95510E-001	7.00000E-004	3.44300E-002	3.16800E-002	0.00000E+000	6.18976E+001	6.18976E+001	2.00200E-002	0.00000E+000	6.23981E+001
Scrapers	6.14400E-002	6.70760E-001	4.78190E-001	1.14000E-003	2.61800E-002	2.40900E-002	0.00000E+000	1.00037E+002	1.00037E+002	3.23500E-002	0.00000E+000	1.00846E+002
Tractors/Loaders/Backhoes	1.63970E-001	1.65934E+000	2.47100E+000	3.45000E-003	7.94400E-002	7.30900E-002	0.00000E+000	3.02733E+002	3.02733E+002	9.79100E-002	0.00000E+000	3.05181E+002
Welders	8.97800E-002	5.15760E-001	6.17540E-001	9.50000E-004	1.85900E-002	1.85900E-002	0.00000E+000	6.96416E+001	6.96416E+001	7.29000E-003	0.00000E+000	6.98238E+001

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

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	4.70000E-003	3.15000E-002	4.97500E-002	8.00000E-005	1.42000E-003	1.42000E-003	0.00000E+000	7.02144E+000	7.02144E+000	3.80000E-004	0.00000E+000	7.03101E+000
Cranes	1.09550E-001	1.16674E+000	5.82140E-001	1.87000E-003	4.87900E-002	4.48900E-002	0.00000E+000	1.64125E+002	1.64125E+002	5.30800E-002	0.00000E+000	1.65452E+002
Excavators	1.51800E-002	1.33270E-001	2.44140E-001	3.90000E-004	6.44000E-003	5.93000E-003	0.00000E+000	3.40204E+001	3.40204E+001	1.10000E-002	0.00000E+000	3.42955E+001
Forklifts	1.08030E-001	1.01220E+000	1.26690E+000	1.70000E-003	6.00500E-002	5.52500E-002	0.00000E+000	1.49063E+002	1.49063E+002	4.82100E-002	0.00000E+000	1.50268E+002
Generator Sets	1.08210E-001	9.64780E-001	1.35640E+000	2.43000E-003	4.32500E-002	4.32500E-002	0.00000E+000	2.09127E+002	2.09127E+002	8.70000E-003	0.00000E+000	2.09344E+002
Graders	1.55600E-002	1.97160E-001	6.45700E-002	2.50000E-004	6.27000E-003	5.77000E-003	0.00000E+000	2.18159E+001	2.18159E+001	7.06000E-003	0.00000E+000	2.19923E+001
Pavers	9.56000E-003	8.70700E-002	1.59270E-001	2.60000E-004	4.08000E-003	3.75000E-003	0.00000E+000	2.27019E+001	2.27019E+001	7.34000E-003	0.00000E+000	2.28855E+001
Paving Equipment	8.07000E-003	6.95600E-002	1.40060E-001	2.20000E-004	3.44000E-003	3.16000E-003	0.00000E+000	1.96745E+001	1.96745E+001	6.36000E-003	0.00000E+000	1.98336E+001
Rollers	7.53000E-003	7.93700E-002	1.01570E-001	1.40000E-004	3.99000E-003	3.67000E-003	0.00000E+000	1.26765E+001	1.26765E+001	4.10000E-003	0.00000E+000	1.27789E+001
Rubber Tired Dozers	6.90600E-002	7.25480E-001	2.95510E-001	7.00000E-004	3.44300E-002	3.16800E-002	0.00000E+000	6.18975E+001	6.18975E+001	2.00200E-002	0.00000E+000	6.23980E+001
Scrapers	6.14400E-002	6.70760E-001	4.78180E-001	1.14000E-003	2.61800E-002	2.40900E-002	0.00000E+000	1.00037E+002	1.00037E+002	3.23500E-002	0.00000E+000	1.00846E+002
Tractors/Loaders/Balckhoes	1.63960E-001	1.65933E+000	2.47099E+000	3.45000E-003	7.94400E-002	7.30900E-002	0.00000E+000	3.02733E+002	3.02733E+002	9.79100E-002	0.00000E+000	3.05181E+002
Welders	8.97800E-002	5.15760E-001	6.17540E-001	9.50000E-004	1.85900E-002	1.85900E-002	0.00000E+000	6.96416E+001	6.96416E+001	7.29000E-003	0.00000E+000	6.98237E+001

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

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.42421E-006	1.42421E-006	0.00000E+000	0.00000E+000	1.42227E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21858E-006	1.21858E-006	0.00000E+000	0.00000E+000	1.14837E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17576E-006	1.17576E-006	0.00000E+000	0.00000E+000	1.16633E-006
Forklifts	0.00000E+000	9.87937E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14045E-006	1.14045E-006	0.00000E+000	0.00000E+000	1.19785E-006
Generator Sets	0.00000E+000	0.00000E+000	7.37240E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19545E-006	1.19545E-006	0.00000E+000	0.00000E+000	1.19421E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.16761E-007	9.16761E-007	0.00000E+000	0.00000E+000	1.36411E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.32147E-006	1.32147E-006	0.00000E+000	0.00000E+000	1.31087E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.01654E-006	1.01654E-006	0.00000E+000	0.00000E+000	1.51258E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	7.88864E-007	7.88864E-007	0.00000E+000	0.00000E+000	1.56507E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.13090E-006	1.13090E-006	0.00000E+000	0.00000E+000	1.28209E-006
Scrapers	0.00000E+000	0.00000E+000	2.09122E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.09959E-006	1.09959E-006	0.00000E+000	0.00000E+000	1.18993E-006
Tractors/Loaders/Balckhoes	6.09868E-005	6.02649E-006	4.04694E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18917E-006	1.18917E-006	0.00000E+000	0.00000E+000	1.21240E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14874E-006	1.14874E-006	0.00000E+000	0.00000E+000	1.14574E-006

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00	Frequency (per day)	3.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	20.00		
Yes	Clean Paved Road	% PM Reduction	20.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.17	0.17
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.20	0.06	0.17	0.05	0.17	0.15
Grading	Fugitive Dust	0.25	0.13	0.10	0.05	0.61	0.61
Grading	Roads	0.01	0.00	0.01	0.00	0.16	0.15
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.17	0.16
Site Preparation	Fugitive Dust	0.29	0.15	0.11	0.06	0.61	0.61
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.17	0.16

Operational Percent Reduction Summary

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

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	-0.01	0.13		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

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

No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00

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

No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	250.00
No	Use Low VOC Paint (Non-residential Exterior)	250.00
No	Use Low VOC Paint (Parking)	250.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		

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

No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

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

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	