

TTM 20471 - Adelanto - 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 20471 - Adelanto
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	171.00	Dwelling Unit	42.44	307,800.00	489

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 - VOC per MDAQMD Rules
- Woodstoves - No wood fireplaces
- Area Coating - VOC per MDAQMD Rules

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_Interior	250	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	20
tblFireplaces	NumberWood	59.85	0.00
tblLandUse	LotAcreage	55.52	42.44
tblTripsAndVMT	HaulingTripNumber	0.00	576.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.7283	39.7964	29.8950	0.0680	19.8049	1.6478	21.4182	10.1417	1.5164	11.6259	0.0000	6,634.7523	6,634.7523	1.9501	0.0779	6,706.7238
2023	1.8268	15.1185	18.3104	0.0351	0.6314	0.7084	1.3398	0.1703	0.6666	0.8369	0.0000	3,392.9841	3,392.9841	0.6224	0.0630	3,427.3289
2024	1.7077	14.1565	18.0919	0.0349	0.6314	0.6218	1.2532	0.1703	0.5849	0.7552	0.0000	3,369.7838	3,369.7838	0.6175	0.0610	3,403.3904
2025	35.2264	13.1647	17.8826	0.0347	0.6314	0.5359	1.1673	0.1703	0.5041	0.6744	0.0000	3,347.6026	3,347.6026	0.7162	0.0591	3,380.5255
Maximum	35.2264	39.7964	29.8950	0.0680	19.8049	1.6478	21.4182	10.1417	1.5164	11.6259	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	12.4987	2.3522	53.3610	0.1366		6.5004	6.5004		6.5004	6.5004	929.3098	2,017.0495	2,946.3593	4.4069	0.0365	3,067.4123
Energy	0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517
Mobile	5.6223	6.7212	47.2565	0.0990	9.7786	0.0820	9.8606	2.6067	0.0770	2.6837		10,076.3018	10,076.3018	0.5262	0.4928	10,236.3065
Total	18.2639	10.2947	101.1372	0.2435	9.7786	6.6812	16.4598	2.6067	6.6762	9.2829	929.3098	13,652.4380	14,581.7478	4.9629	0.5579	14,872.0705

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	12.4987	2.3522	53.3610	0.1366		6.5004	6.5004		6.5004	6.5004	929.3098	2,017.0495	2,946.3593	4.4069	0.0365	3,067.4123
Energy	0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517
Mobile	5.6223	6.7212	47.2565	0.0990	9.7786	0.0820	9.8606	2.6067	0.0770	2.6837		10,076.3018	10,076.3018	0.5262	0.4928	10,236.3065
Total	18.2639	10.2947	101.1372	0.2435	9.7786	6.6812	16.4598	2.6067	6.6762	9.2829	929.3098	13,652.4380	14,581.7478	4.9629	0.5579	14,872.0705

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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	5/2/2022	6/10/2022	5	30	
2	Grading	Grading	6/11/2022	9/23/2022	5	75	
3	Building Construction	Building Construction	9/24/2022	7/25/2025	5	740	
4	Paving	Paving	7/26/2025	10/10/2025	5	55	
5	Architectural Coating	Architectural Coating	10/11/2025	12/26/2025	5	55	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 225

Acres of Paving: 0

Residential Indoor: 623,295; Residential Outdoor: 207,765; 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	62.00	18.00	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	12.00	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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		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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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	7.6662	1.6126	9.2788	3.9400	1.4836	5.4235	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			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	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		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					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			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	3.5894	1.6349	5.2243	1.4250	1.5041	2.9291	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	0.0340	0.7354	0.3343	3.6600e-003	0.1221	0.0103	0.1324	0.0352	9.8300e-003	0.0450		385.1065	385.1065	1.9800e-003	0.0526	400.8435
Worker	0.2455	0.1372	1.9195	4.7500e-003	0.5093	2.5600e-003	0.5119	0.1351	2.3600e-003	0.1375		479.7317	479.7317	0.0143	0.0132	484.0331
Total	0.2795	0.8726	2.2538	8.4100e-003	0.6314	0.0128	0.6442	0.1703	0.0122	0.1824		864.8382	864.8382	0.0163	0.0659	884.8766

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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	0.0340	0.7354	0.3343	3.6600e-003	0.1047	0.0103	0.1150	0.0309	9.8300e-003	0.0407		385.1065	385.1065	1.9800e-003	0.0526	400.8435
Worker	0.2455	0.1372	1.9195	4.7500e-003	0.4208	2.5600e-003	0.4234	0.1134	2.3600e-003	0.1157		479.7317	479.7317	0.0143	0.0132	484.0331
Total	0.2795	0.8726	2.2538	8.4100e-003	0.5255	0.0128	0.5383	0.1443	0.0122	0.1565		864.8382	864.8382	0.0163	0.0659	884.8766

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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	0.0278	0.6127	0.3134	3.5500e-003	0.1221	6.2300e-003	0.1283	0.0352	5.9600e-003	0.0411		373.6357	373.6357	1.6500e-003	0.0509	388.8297
Worker	0.2263	0.1209	1.7530	4.5900e-003	0.5093	2.4000e-003	0.5117	0.1351	2.2100e-003	0.1373		464.1385	464.1385	0.0129	0.0122	468.0931
Total	0.2541	0.7336	2.0664	8.1400e-003	0.6314	8.6300e-003	0.6400	0.1703	8.1700e-003	0.1784		837.7742	837.7742	0.0145	0.0630	856.9229

TTM 20471 - Adelanto - 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	0.0278	0.6127	0.3134	3.5500e-003	0.1047	6.2300e-003	0.1109	0.0309	5.9600e-003	0.0369		373.6357	373.6357	1.6500e-003	0.0509	388.8297
Worker	0.2263	0.1209	1.7530	4.5900e-003	0.4208	2.4000e-003	0.4232	0.1134	2.2100e-003	0.1156		464.1385	464.1385	0.0129	0.0122	468.0931
Total	0.2541	0.7336	2.0664	8.1400e-003	0.5255	8.6300e-003	0.5341	0.1443	8.1700e-003	0.1524		837.7742	837.7742	0.0145	0.0630	856.9229

TTM 20471 - Adelanto - 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	0.0268	0.6056	0.3022	3.4800e-003	0.1221	6.1900e-003	0.1283	0.0352	5.9200e-003	0.0411		365.4958	365.4958	1.5800e-003	0.0497	380.3392
Worker	0.2094	0.1071	1.6229	4.4400e-003	0.5093	2.2700e-003	0.5116	0.1351	2.0900e-003	0.1372		448.5891	448.5891	0.0116	0.0113	452.2436
Total	0.2362	0.7127	1.9251	7.9200e-003	0.6314	8.4600e-003	0.6399	0.1703	8.0100e-003	0.1783		814.0849	814.0849	0.0132	0.0610	832.5828

TTM 20471 - Adelanto - 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	0.0268	0.6056	0.3022	3.4800e-003	0.1047	6.1900e-003	0.1109	0.0309	5.9200e-003	0.0368		365.4958	365.4958	1.5800e-003	0.0497	380.3392
Worker	0.2094	0.1071	1.6229	4.4400e-003	0.4208	2.2700e-003	0.4231	0.1134	2.0900e-003	0.1155		448.5891	448.5891	0.0116	0.0113	452.2436
Total	0.2362	0.7127	1.9251	7.9200e-003	0.5255	8.4600e-003	0.5340	0.1443	8.0100e-003	0.1523		814.0849	814.0849	0.0132	0.0610	832.5828

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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	0.0261	0.5993	0.2947	3.4100e-003	0.1221	6.1700e-003	0.1283	0.0352	5.9000e-003	0.0411		357.9799	357.9799	1.5300e-003	0.0485	372.4829
Worker	0.1945	0.0957	1.5032	4.2900e-003	0.5093	2.1500e-003	0.5115	0.1351	1.9800e-003	0.1371		433.1483	433.1483	0.0104	0.0105	436.5445
Total	0.2206	0.6950	1.7979	7.7000e-003	0.6314	8.3200e-003	0.6397	0.1703	7.8800e-003	0.1781		791.1283	791.1283	0.0120	0.0591	809.0274

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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	0.0261	0.5993	0.2947	3.4100e-003	0.1047	6.1700e-003	0.1109	0.0309	5.9000e-003	0.0368		357.9799	357.9799	1.5300e-003	0.0485	372.4829
Worker	0.1945	0.0957	1.5032	4.2900e-003	0.4208	2.1500e-003	0.4229	0.1134	1.9800e-003	0.1153		433.1483	433.1483	0.0104	0.0105	436.5445
Total	0.2206	0.6950	1.7979	7.7000e-003	0.5255	8.3200e-003	0.5338	0.1443	7.8800e-003	0.1521		791.1283	791.1283	0.0120	0.0591	809.0274

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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	0.0471	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 20471 - Adelanto - 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 20471 - Adelanto - 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	35.0179					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	35.1887	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	0.0376	0.0185	0.2909	8.3000e-004	0.0986	4.2000e-004	0.0990	0.0262	3.8000e-004	0.0265		83.8352	83.8352	2.0200e-003	2.0400e-003	84.4925
Total	0.0376	0.0185	0.2909	8.3000e-004	0.0986	4.2000e-004	0.0990	0.0262	3.8000e-004	0.0265		83.8352	83.8352	2.0200e-003	2.0400e-003	84.4925

TTM 20471 - Adelanto - 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	35.0179					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	35.1887	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	0.0376	0.0185	0.2909	8.3000e-004	0.0814	4.2000e-004	0.0819	0.0219	3.8000e-004	0.0223		83.8352	83.8352	2.0200e-003	2.0400e-003	84.4925
Total	0.0376	0.0185	0.2909	8.3000e-004	0.0814	4.2000e-004	0.0819	0.0219	3.8000e-004	0.0223		83.8352	83.8352	2.0200e-003	2.0400e-003	84.4925

TTM 20471 - Adelanto - 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

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	5.6223	6.7212	47.2565	0.0990	9.7786	0.0820	9.8606	2.6067	0.0770	2.6837		10,076.30 18	10,076.30 18	0.5262	0.4928	10,236.30 65
Unmitigated	5.6223	6.7212	47.2565	0.0990	9.7786	0.0820	9.8606	2.6067	0.0770	2.6837		10,076.30 18	10,076.30 18	0.5262	0.4928	10,236.30 65

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,614.24	1,631.34	1462.05	4,529,825	4,529,825
Total	1,614.24	1,631.34	1,462.05	4,529,825	4,529,825

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

TTM 20471 - Adelanto - 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

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	0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517
NaturalGas Unmitigated	0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517

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	13252.2	0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517
Total		0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517

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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

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	13.2522	0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517
Total		0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517

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	12.4987	2.3522	53.3610	0.1366		6.5004	6.5004		6.5004	6.5004	929.3098	2,017.0495	2,946.3593	4.4069	0.0365	3,067.4123
Unmitigated	12.4987	2.3522	53.3610	0.1366		6.5004	6.5004		6.5004	6.5004	929.3098	2,017.0495	2,946.3593	4.4069	0.0365	3,067.4123

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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	1.0553					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.5869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4.4325	2.1897	39.2592	0.1359		6.4223	6.4223		6.4223	6.4223	929.3098	1,991.6471	2,920.9568	4.3825	0.0365	3,041.4005
Landscaping	0.4240	0.1625	14.1018	7.4000e-004		0.0782	0.0782		0.0782	0.0782		25.4024	25.4024	0.0244		26.0118
Total	12.4987	2.3522	53.3610	0.1366		6.5004	6.5004		6.5004	6.5004	929.3098	2,017.0495	2,946.3593	4.4069	0.0365	3,067.4123

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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	1.0553					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.5869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4.4325	2.1897	39.2592	0.1359		6.4223	6.4223		6.4223	6.4223	929.3098	1,991.6471	2,920.9568	4.3825	0.0365	3,041.4005
Landscaping	0.4240	0.1625	14.1018	7.4000e-004		0.0782	0.0782		0.0782	0.0782		25.4024	25.4024	0.0244		26.0118
Total	12.4987	2.3522	53.3610	0.1366		6.5004	6.5004		6.5004	6.5004	929.3098	2,017.0495	2,946.3593	4.4069	0.0365	3,067.4123

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	171.00	Dwelling Unit	42.44	307,800.00	489

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 - VOC per MDAQMD Rules
- Woodstoves - No wood fireplaces
- Area Coating - VOC per MDAQMD Rules

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_Interior	250	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	20
tblFireplaces	NumberWood	59.85	0.00
tblLandUse	LotAcreage	55.52	42.44
tblTripsAndVMT	HaulingTripNumber	0.00	576.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.7188	39.8477	29.7762	0.0679	19.8049	1.6478	21.4182	10.1417	1.5165	11.6259	0.0000	6,618.0200	6,618.0200	1.9501	0.0781	6,690.0400
2023	1.8028	15.1613	17.9699	0.0346	0.6314	0.7084	1.3398	0.1703	0.6666	0.8369	0.0000	3,342.2950	3,342.2950	0.6225	0.0635	3,376.7726
2024	1.6858	14.1984	17.7803	0.0344	0.6314	0.6218	1.2532	0.1703	0.5849	0.7552	0.0000	3,320.9430	3,320.9430	0.6177	0.0614	3,354.6753
2025	35.2228	13.2059	17.5973	0.0342	0.6314	0.5359	1.1673	0.1703	0.5042	0.6744	0.0000	3,300.5733	3,300.5733	0.7163	0.0594	3,333.6156
Maximum	35.2228	39.8477	29.7762	0.0679	19.8049	1.6478	21.4182	10.1417	1.5165	11.6259	0.0000	6,618.0200	6,618.0200	1.9501	0.0781	6,690.0400

TTM 20471 - Adelanto - 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

2.2 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	12.4987	2.3522	53.3610	0.1366		6.5004	6.5004		6.5004	6.5004	929.3098	2,017.0495	2,946.3593	4.4069	0.0365	3,067.4123
Energy	0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517
Mobile	4.6233	7.1260	41.4602	0.0907	9.7786	0.0821	9.8607	2.6067	0.0771	2.6838		9,231.2169	9,231.2169	0.5419	0.5027	9,394.5673
Total	17.2649	10.6995	95.3408	0.2351	9.7786	6.6812	16.4598	2.6067	6.6763	9.2829	929.3098	12,807.3532	13,736.6630	4.9786	0.5678	14,030.3312

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	12.4987	2.3522	53.3610	0.1366		6.5004	6.5004		6.5004	6.5004	929.3098	2,017.0495	2,946.3593	4.4069	0.0365	3,067.4123
Energy	0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517
Mobile	4.6233	7.1260	41.4602	0.0907	9.7786	0.0821	9.8607	2.6067	0.0771	2.6838		9,231.2169	9,231.2169	0.5419	0.5027	9,394.5673
Total	17.2649	10.6995	95.3408	0.2351	9.7786	6.6812	16.4598	2.6067	6.6763	9.2829	929.3098	12,807.3532	13,736.6630	4.9786	0.5678	14,030.3312

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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	5/2/2022	6/10/2022	5	30	
2	Grading	Grading	6/11/2022	9/23/2022	5	75	
3	Building Construction	Building Construction	9/24/2022	7/25/2025	5	740	
4	Paving	Paving	7/26/2025	10/10/2025	5	55	
5	Architectural Coating	Architectural Coating	10/11/2025	12/26/2025	5	55	

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 225

Acres of Paving: 0

Residential Indoor: 623,295; Residential Outdoor: 207,765; 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	62.00	18.00	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	12.00	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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			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	19.6570	1.6126	21.2696	10.1025	1.4836	11.5860		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

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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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	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	7.6662	1.6126	9.2788	3.9400	1.4836	5.4235	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

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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

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	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	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		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					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			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	3.5894	1.6349	5.2243	1.4250	1.5041	2.9291	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	0.0324	0.7777	0.3469	3.6700e-003	0.1221	0.0103	0.1324	0.0352	9.8500e-003	0.0450		385.7288	385.7288	1.9100e-003	0.0528	401.5138
Worker	0.2209	0.1411	1.5299	4.2200e-003	0.5093	2.5600e-003	0.5119	0.1351	2.3600e-003	0.1375		426.0997	426.0997	0.0145	0.0135	430.4736
Total	0.2533	0.9188	1.8768	7.8900e-003	0.6314	0.0129	0.6443	0.1703	0.0122	0.1825		811.8285	811.8285	0.0165	0.0663	831.9874

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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	0.0324	0.7777	0.3469	3.6700e-003	0.1047	0.0103	0.1150	0.0309	9.8500e-003	0.0408		385.7288	385.7288	1.9100e-003	0.0528	401.5138
Worker	0.2209	0.1411	1.5299	4.2200e-003	0.4208	2.5600e-003	0.4234	0.1134	2.3600e-003	0.1157		426.0997	426.0997	0.0145	0.0135	430.4736
Total	0.2533	0.9188	1.8768	7.8900e-003	0.5255	0.0129	0.5384	0.1443	0.0122	0.1565		811.8285	811.8285	0.0165	0.0663	831.9874

TTM 20471 - Adelanto - 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

3.4 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	0.0259	0.6521	0.3243	3.5600e-003	0.1221	6.2500e-003	0.1283	0.0352	5.9800e-003	0.0411		374.6849	374.6849	1.5800e-003	0.0511	389.9444
Worker	0.2041	0.1243	1.4016	4.0800e-003	0.5093	2.4000e-003	0.5117	0.1351	2.2100e-003	0.1373		412.4002	412.4002	0.0131	0.0124	416.4221
Total	0.2301	0.7764	1.7259	7.6400e-003	0.6314	8.6500e-003	0.6401	0.1703	8.1900e-003	0.1785		787.0851	787.0851	0.0147	0.0635	806.3665

TTM 20471 - Adelanto - 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

3.4 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	0.0259	0.6521	0.3243	3.5600e-003	0.1047	6.2500e-003	0.1110	0.0309	5.9800e-003	0.0369		374.6849	374.6849	1.5800e-003	0.0511	389.9444
Worker	0.2041	0.1243	1.4016	4.0800e-003	0.4208	2.4000e-003	0.4232	0.1134	2.2100e-003	0.1156		412.4002	412.4002	0.0131	0.0124	416.4221
Total	0.2301	0.7764	1.7259	7.6400e-003	0.5255	8.6500e-003	0.5342	0.1443	8.1900e-003	0.1525		787.0851	787.0851	0.0147	0.0635	806.3665

TTM 20471 - Adelanto - 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

3.4 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	0.0250	0.6446	0.3132	3.4900e-003	0.1221	6.2100e-003	0.1283	0.0352	5.9400e-003	0.0411		366.5332	366.5332	1.5000e-003	0.0499	381.4396
Worker	0.1893	0.1101	1.3004	3.9400e-003	0.5093	2.2700e-003	0.5116	0.1351	2.0900e-003	0.1372		398.7109	398.7109	0.0118	0.0115	402.4280
Total	0.2142	0.7547	1.6135	7.4300e-003	0.6314	8.4800e-003	0.6399	0.1703	8.0300e-003	0.1783		765.2441	765.2441	0.0133	0.0614	783.8676

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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	0.0250	0.6446	0.3132	3.4900e-003	0.1047	6.2100e-003	0.1109	0.0309	5.9400e-003	0.0368		366.5332	366.5332	1.5000e-003	0.0499	381.4396
Worker	0.1893	0.1101	1.3004	3.9400e-003	0.4208	2.2700e-003	0.4231	0.1134	2.0900e-003	0.1155		398.7109	398.7109	0.0118	0.0115	402.4280
Total	0.2142	0.7547	1.6135	7.4300e-003	0.5255	8.4800e-003	0.5340	0.1443	8.0300e-003	0.1523		765.2441	765.2441	0.0133	0.0614	783.8676

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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	0.0243	0.6379	0.3057	3.4200e-003	0.1221	6.1900e-003	0.1283	0.0352	5.9200e-003	0.0411		359.0024	359.0024	1.4500e-003	0.0488	373.5663
Worker	0.1761	0.0983	1.2070	3.8100e-003	0.5093	2.1500e-003	0.5115	0.1351	1.9800e-003	0.1371		385.0966	385.0966	0.0107	0.0107	388.5513
Total	0.2004	0.7362	1.5127	7.2300e-003	0.6314	8.3400e-003	0.6397	0.1703	7.9000e-003	0.1782		744.0990	744.0990	0.0122	0.0594	762.1176

TTM 20471 - Adelanto - 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

3.4 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	0.0243	0.6379	0.3057	3.4200e-003	0.1047	6.1900e-003	0.1109	0.0309	5.9200e-003	0.0368		359.0024	359.0024	1.4500e-003	0.0488	373.5663
Worker	0.1761	0.0983	1.2070	3.8100e-003	0.4208	2.1500e-003	0.4229	0.1134	1.9800e-003	0.1153		385.0966	385.0966	0.0107	0.0107	388.5513
Total	0.2004	0.7362	1.5127	7.2300e-003	0.5255	8.3400e-003	0.5338	0.1443	7.9000e-003	0.1522		744.0990	744.0990	0.0122	0.0594	762.1176

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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

TTM 20471 - Adelanto - 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

3.5 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

TTM 20471 - Adelanto - 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

3.6 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	35.0179					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	35.1887	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	0.0341	0.0190	0.2336	7.4000e-004	0.0986	4.2000e-004	0.0990	0.0262	3.8000e-004	0.0265		74.5348	74.5348	2.0700e-003	2.0700e-003	75.2035
Total	0.0341	0.0190	0.2336	7.4000e-004	0.0986	4.2000e-004	0.0990	0.0262	3.8000e-004	0.0265		74.5348	74.5348	2.0700e-003	2.0700e-003	75.2035

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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	35.0179					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	35.1887	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	0.0341	0.0190	0.2336	7.4000e-004	0.0814	4.2000e-004	0.0819	0.0219	3.8000e-004	0.0223		74.5348	74.5348	2.0700e-003	2.0700e-003	75.2035
Total	0.0341	0.0190	0.2336	7.4000e-004	0.0814	4.2000e-004	0.0819	0.0219	3.8000e-004	0.0223		74.5348	74.5348	2.0700e-003	2.0700e-003	75.2035

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.6233	7.1260	41.4602	0.0907	9.7786	0.0821	9.8607	2.6067	0.0771	2.6838		9,231.2169	9,231.2169	0.5419	0.5027	9,394.5673
Unmitigated	4.6233	7.1260	41.4602	0.0907	9.7786	0.0821	9.8607	2.6067	0.0771	2.6838		9,231.2169	9,231.2169	0.5419	0.5027	9,394.5673

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,614.24	1,631.34	1462.05	4,529,825	4,529,825
Total	1,614.24	1,631.34	1,462.05	4,529,825	4,529,825

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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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	0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517
NaturalGas Unmitigated	0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517

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	13252.2	0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517
Total		0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517

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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	13.2522	0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517
Total		0.1429	1.2213	0.5197	7.8000e-003		0.0987	0.0987		0.0987	0.0987		1,559.0868	1,559.0868	0.0299	0.0286	1,568.3517

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	12.4987	2.3522	53.3610	0.1366		6.5004	6.5004		6.5004	6.5004	929.3098	2,017.0495	2,946.3593	4.4069	0.0365	3,067.4123
Unmitigated	12.4987	2.3522	53.3610	0.1366		6.5004	6.5004		6.5004	6.5004	929.3098	2,017.0495	2,946.3593	4.4069	0.0365	3,067.4123

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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	1.0553					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.5869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4.4325	2.1897	39.2592	0.1359		6.4223	6.4223		6.4223	6.4223	929.3098	1,991.6471	2,920.9568	4.3825	0.0365	3,041.4005
Landscaping	0.4240	0.1625	14.1018	7.4000e-004		0.0782	0.0782		0.0782	0.0782		25.4024	25.4024	0.0244		26.0118
Total	12.4987	2.3522	53.3610	0.1366		6.5004	6.5004		6.5004	6.5004	929.3098	2,017.0495	2,946.3593	4.4069	0.0365	3,067.4123

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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	1.0553					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.5869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	4.4325	2.1897	39.2592	0.1359		6.4223	6.4223		6.4223	6.4223	929.3098	1,991.6471	2,920.9568	4.3825	0.0365	3,041.4005
Landscaping	0.4240	0.1625	14.1018	7.4000e-004		0.0782	0.0782		0.0782	0.0782		25.4024	25.4024	0.0244		26.0118
Total	12.4987	2.3522	53.3610	0.1366		6.5004	6.5004		6.5004	6.5004	929.3098	2,017.0495	2,946.3593	4.4069	0.0365	3,067.4123

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	171.00	Dwelling Unit	42.44	307,800.00	489

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 - VOC per MDAQMD Rules
- Woodstoves - No wood fireplaces
- Area Coating - VOC per MDAQMD Rules

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_Interior	250	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	20
tblFireplaces	NumberWood	59.85	0.00
tblLandUse	LotAcreage	55.52	42.44
tblTripsAndVMT	HaulingTripNumber	0.00	576.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2558	2.5704	2.0625	4.3600e-003	0.6749	0.1148	0.7897	0.2980	0.1062	0.4042	0.0000	384.4041	384.4041	0.1026	4.8400e-003	388.4107
2023	0.2326	1.9713	2.3485	4.5100e-003	0.0807	0.0921	0.1728	0.0218	0.0867	0.1084	0.0000	395.4695	395.4695	0.0735	7.5400e-003	399.5528
2024	0.2192	1.8602	2.3408	4.5200e-003	0.0813	0.0815	0.1627	0.0220	0.0766	0.0986	0.0000	395.9250	395.9250	0.0735	7.3400e-003	399.9494
2025	1.1099	1.2460	1.7744	3.2900e-003	0.0519	0.0526	0.1045	0.0140	0.0493	0.0633	0.0000	288.6332	288.6332	0.0595	4.1400e-003	291.3532
Maximum	1.1099	2.5704	2.3485	4.5200e-003	0.6749	0.1148	0.7897	0.2980	0.1062	0.4042	0.0000	395.9250	395.9250	0.1026	7.5400e-003	399.9494

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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	0.2558	2.5704	2.0625	4.3600e-003	0.2787	0.1148	0.3935	0.1205	0.1062	0.2267	0.0000	384.4037	384.4037	0.1026	4.8400e-003	388.4103
2023	0.2326	1.9713	2.3485	4.5100e-003	0.0672	0.0921	0.1593	0.0185	0.0867	0.1051	0.0000	395.4692	395.4692	0.0735	7.5400e-003	399.5524
2024	0.2192	1.8602	2.3408	4.5200e-003	0.0677	0.0815	0.1492	0.0186	0.0766	0.0952	0.0000	395.9246	395.9246	0.0735	7.3400e-003	399.9490
2025	1.1099	1.2460	1.7744	3.2900e-003	0.0432	0.0526	0.0958	0.0119	0.0493	0.0612	0.0000	288.6329	288.6329	0.0595	4.1400e-003	291.3529
Maximum	1.1099	2.5704	2.3485	4.5200e-003	0.2787	0.1148	0.3935	0.1205	0.1062	0.2267	0.0000	395.9246	395.9246	0.1026	7.5400e-003	399.9490

	ROG	NOx	CO	SO2	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	48.60	0.00	35.13	52.35	0.00	27.61	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	5-2-2022	8-1-2022	1.3278	1.3278
2	8-2-2022	11-1-2022	1.0814	1.0814
3	11-2-2022	2-1-2023	0.5902	0.5902
4	2-2-2023	5-1-2023	0.5390	0.5390
5	5-2-2023	8-1-2023	0.5568	0.5568
6	8-2-2023	11-1-2023	0.5570	0.5570
7	11-2-2023	2-1-2024	0.5451	0.5451
8	2-2-2024	5-1-2024	0.5103	0.5103

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9	5-2-2024	8-1-2024	0.5213	0.5213
10	8-2-2024	11-1-2024	0.5215	0.5215
11	11-2-2024	2-1-2025	0.5092	0.5092
12	2-2-2025	5-1-2025	0.4694	0.4694
13	5-2-2025	8-1-2025	0.4718	0.4718
14	8-2-2025	9-30-2025	0.2050	0.2050
		Highest	1.3278	1.3278

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	1.6146	0.1044	2.8788	5.6400e-003		0.2704	0.2704		0.2704	0.2704	34.5653	76.1525	110.7178	0.1650	1.3600e-003	115.2474
Energy	0.0261	0.2229	0.0948	1.4200e-003		0.0180	0.0180		0.0180	0.0180	0.0000	499.6613	499.6613	0.0253	7.2000e-003	502.4412
Mobile	0.8159	1.2957	7.8178	0.0165	1.7092	0.0146	1.7238	0.4563	0.0137	0.4700	0.0000	1,518.9921	1,518.9921	0.0893	0.0826	1,545.8450
Waste						0.0000	0.0000		0.0000	0.0000	40.6977	0.0000	40.6977	2.4052	0.0000	100.8267
Water						0.0000	0.0000		0.0000	0.0000	3.5346	39.5670	43.1016	0.3664	8.9800e-003	54.9363
Total	2.4566	1.6230	10.7914	0.0235	1.7092	0.3030	2.0122	0.4563	0.3021	0.7583	78.7976	2,134.3729	2,213.1704	3.0512	0.1002	2,319.2966

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.6146	0.1044	2.8788	5.6400e-003		0.2704	0.2704		0.2704	0.2704	34.5653	76.1525	110.7178	0.1650	1.3600e-003	115.2474
Energy	0.0261	0.2229	0.0948	1.4200e-003		0.0180	0.0180		0.0180	0.0180	0.0000	499.6613	499.6613	0.0253	7.2000e-003	502.4412
Mobile	0.8159	1.2957	7.8178	0.0165	1.7092	0.0146	1.7238	0.4563	0.0137	0.4700	0.0000	1,518.9921	1,518.9921	0.0893	0.0826	1,545.8450
Waste						0.0000	0.0000		0.0000	0.0000	40.6977	0.0000	40.6977	2.4052	0.0000	100.8267
Water						0.0000	0.0000		0.0000	0.0000	3.5346	39.5670	43.1016	0.3664	8.9800e-003	54.9363
Total	2.4566	1.6230	10.7914	0.0235	1.7092	0.3030	2.0122	0.4563	0.3021	0.7583	78.7976	2,134.3729	2,213.1704	3.0512	0.1002	2,319.2966

	ROG	NOx	CO	SO2	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	5/2/2022	6/10/2022	5	30	
2	Grading	Grading	6/11/2022	9/23/2022	5	75	
3	Building Construction	Building Construction	9/24/2022	7/25/2025	5	740	

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4	Paving	Paving	7/26/2025	10/10/2025	5	55
5	Architectural Coating	Architectural Coating	10/11/2025	12/26/2025	5	55

Acres of Grading (Site Preparation Phase): 45

Acres of Grading (Grading Phase): 225

Acres of Paving: 0

Residential Indoor: 623,295; Residential Outdoor: 207,765; 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	62.00	18.00	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	12.00	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					0.2949	0.0000	0.2949	0.1515	0.0000	0.1515	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	0.2949	0.0242	0.3191	0.1515	0.0223	0.1738	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					0.1150	0.0000	0.1150	0.0591	0.0000	0.0591	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	0.1150	0.0242	0.1392	0.0591	0.0223	0.0814	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					0.3451	0.0000	0.3451	0.1370	0.0000	0.1370	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	0.3451	0.0613	0.4064	0.1370	0.0564	0.1934	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					0.1346	0.0000	0.1346	0.0534	0.0000	0.0534	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	0.1346	0.0613	0.1959	0.0534	0.0564	0.1098	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	0.0597	0.5466	0.5727	9.4000e-004		0.0283	0.0283		0.0266	0.0266	0.0000	81.1038	81.1038	0.0194	0.0000	81.5896
Total	0.0597	0.5466	0.5727	9.4000e-004		0.0283	0.0283		0.0266	0.0266	0.0000	81.1038	81.1038	0.0194	0.0000	81.5896

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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	1.1500e-003	0.0272	0.0119	1.3000e-004	4.2100e-003	3.6000e-004	4.5700e-003	1.2200e-003	3.4000e-004	1.5600e-003	0.0000	12.2360	12.2360	6.0000e-005	1.6800e-003	12.7370
Worker	7.2000e-003	5.2600e-003	0.0574	1.5000e-004	0.0175	9.0000e-005	0.0176	4.6500e-003	8.0000e-005	4.7300e-003	0.0000	13.9119	13.9119	4.7000e-004	4.5000e-004	14.0566
Total	8.3500e-003	0.0324	0.0693	2.8000e-004	0.0217	4.5000e-004	0.0222	5.8700e-003	4.2000e-004	6.2900e-003	0.0000	26.1480	26.1480	5.3000e-004	2.1300e-003	26.7936

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	0.0597	0.5466	0.5727	9.4000e-004		0.0283	0.0283		0.0266	0.0266	0.0000	81.1037	81.1037	0.0194	0.0000	81.5895
Total	0.0597	0.5466	0.5727	9.4000e-004		0.0283	0.0283		0.0266	0.0266	0.0000	81.1037	81.1037	0.0194	0.0000	81.5895

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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	1.1500e-003	0.0272	0.0119	1.3000e-004	3.6200e-003	3.6000e-004	3.9800e-003	1.0700e-003	3.4000e-004	1.4100e-003	0.0000	12.2360	12.2360	6.0000e-005	1.6800e-003	12.7370
Worker	7.2000e-003	5.2600e-003	0.0574	1.5000e-004	0.0145	9.0000e-005	0.0146	3.9100e-003	8.0000e-005	3.9900e-003	0.0000	13.9119	13.9119	4.7000e-004	4.5000e-004	14.0566
Total	8.3500e-003	0.0324	0.0693	2.8000e-004	0.0181	4.5000e-004	0.0185	4.9800e-003	4.2000e-004	5.4000e-003	0.0000	26.1480	26.1480	5.3000e-004	2.1300e-003	26.7936

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	3.4600e-003	0.0841	0.0415	4.6000e-004	0.0156	8.1000e-004	0.0165	4.5100e-003	7.8000e-004	5.2900e-003	0.0000	44.1166	44.1166	1.9000e-004	6.0100e-003	45.9137
Worker	0.0247	0.0172	0.1953	5.5000e-004	0.0650	3.1000e-004	0.0653	0.0173	2.9000e-004	0.0176	0.0000	50.0068	50.0068	1.5900e-003	1.5200e-003	50.5008
Total	0.0281	0.1013	0.2368	1.0100e-003	0.0807	1.1200e-003	0.0818	0.0218	1.0700e-003	0.0229	0.0000	94.1233	94.1233	1.7800e-003	7.5300e-003	96.4145

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	3.4600e-003	0.0841	0.0415	4.6000e-004	0.0134	8.1000e-004	0.0142	3.9700e-003	7.8000e-004	4.7500e-003	0.0000	44.1166	44.1166	1.9000e-004	6.0100e-003	45.9137
Worker	0.0247	0.0172	0.1953	5.5000e-004	0.0538	3.1000e-004	0.0541	0.0145	2.9000e-004	0.0148	0.0000	50.0068	50.0068	1.5900e-003	1.5200e-003	50.5008
Total	0.0281	0.1013	0.2368	1.0100e-003	0.0672	1.1200e-003	0.0683	0.0185	1.0700e-003	0.0195	0.0000	94.1233	94.1233	1.7800e-003	7.5300e-003	96.4145

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	3.3700e-003	0.0837	0.0403	4.6000e-004	0.0158	8.1000e-004	0.0166	4.5500e-003	7.8000e-004	5.3300e-003	0.0000	43.4880	43.4880	1.8000e-004	5.9200e-003	45.2569
Worker	0.0230	0.0153	0.1826	5.3000e-004	0.0655	3.0000e-004	0.0658	0.0174	2.7000e-004	0.0177	0.0000	48.7147	48.7147	1.4400e-003	1.4200e-003	49.1746
Total	0.0264	0.0991	0.2229	9.9000e-004	0.0813	1.1100e-003	0.0824	0.0220	1.0500e-003	0.0230	0.0000	92.2026	92.2026	1.6200e-003	7.3400e-003	94.4315

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	3.3700e-003	0.0837	0.0403	4.6000e-004	0.0135	8.1000e-004	0.0143	4.0000e-003	7.8000e-004	4.7800e-003	0.0000	43.4880	43.4880	1.8000e-004	5.9200e-003	45.2569
Worker	0.0230	0.0153	0.1826	5.3000e-004	0.0542	3.0000e-004	0.0545	0.0146	2.7000e-004	0.0149	0.0000	48.7147	48.7147	1.4400e-003	1.4200e-003	49.1746
Total	0.0264	0.0991	0.2229	9.9000e-004	0.0677	1.1100e-003	0.0688	0.0186	1.0500e-003	0.0197	0.0000	92.2026	92.2026	1.6200e-003	7.3400e-003	94.4315

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	0.1012	0.9228	1.1903	2.0000e-003		0.0390	0.0390		0.0367	0.0367	0.0000	171.6204	171.6204	0.0403	0.0000	172.6290
Total	0.1012	0.9228	1.1903	2.0000e-003		0.0390	0.0390		0.0367	0.0367	0.0000	171.6204	171.6204	0.0403	0.0000	172.6290

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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	1.8600e-003	0.0468	0.0222	2.5000e-004	8.9000e-003	4.6000e-004	9.3600e-003	2.5700e-003	4.4000e-004	3.0100e-003	0.0000	24.0608	24.0608	1.0000e-004	3.2700e-003	25.0370
Worker	0.0121	7.7400e-003	0.0957	2.9000e-004	0.0370	1.6000e-004	0.0372	9.8300e-003	1.5000e-004	9.9800e-003	0.0000	26.5766	26.5766	7.4000e-004	7.5000e-004	26.8181
Total	0.0139	0.0545	0.1180	5.4000e-004	0.0459	6.2000e-004	0.0465	0.0124	5.9000e-004	0.0130	0.0000	50.6374	50.6374	8.4000e-004	4.0200e-003	51.8551

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	0.1012	0.9228	1.1903	2.0000e-003		0.0390	0.0390		0.0367	0.0367	0.0000	171.6202	171.6202	0.0403	0.0000	172.6288
Total	0.1012	0.9228	1.1903	2.0000e-003		0.0390	0.0390		0.0367	0.0367	0.0000	171.6202	171.6202	0.0403	0.0000	172.6288

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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	1.8600e-003	0.0468	0.0222	2.5000e-004	7.6400e-003	4.6000e-004	8.1000e-003	2.2600e-003	4.4000e-004	2.7000e-003	0.0000	24.0608	24.0608	1.0000e-004	3.2700e-003	25.0370
Worker	0.0121	7.7400e-003	0.0957	2.9000e-004	0.0306	1.6000e-004	0.0308	8.2600e-003	1.5000e-004	8.4000e-003	0.0000	26.5766	26.5766	7.4000e-004	7.5000e-004	26.8181
Total	0.0139	0.0545	0.1180	5.4000e-004	0.0382	6.2000e-004	0.0389	0.0105	5.9000e-004	0.0111	0.0000	50.6374	50.6374	8.4000e-004	4.0200e-003	51.8551

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	0.9630					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7000e-003	0.0315	0.0498	8.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.0215	7.0215	3.8000e-004	0.0000	7.0310
Total	0.9677	0.0315	0.0498	8.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.0215	7.0215	3.8000e-004	0.0000	7.0310

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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	8.7000e-004	5.6000e-004	6.8800e-003	2.0000e-005	2.6600e-003	1.0000e-005	2.6700e-003	7.1000e-004	1.0000e-005	7.2000e-004	0.0000	1.9116	1.9116	5.0000e-005	5.0000e-005	1.9289
Total	8.7000e-004	5.6000e-004	6.8800e-003	2.0000e-005	2.6600e-003	1.0000e-005	2.6700e-003	7.1000e-004	1.0000e-005	7.2000e-004	0.0000	1.9116	1.9116	5.0000e-005	5.0000e-005	1.9289

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	0.9630					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7000e-003	0.0315	0.0498	8.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.0214	7.0214	3.8000e-004	0.0000	7.0310
Total	0.9677	0.0315	0.0498	8.0000e-005		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	7.0214	7.0214	3.8000e-004	0.0000	7.0310

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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	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	0.0000
Worker	8.7000e-004	5.6000e-004	6.8800e-003	2.0000e-005	2.2000e-003	1.0000e-005	2.2100e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.9116	1.9116	5.0000e-005	5.0000e-005	1.9289	
Total	8.7000e-004	5.6000e-004	6.8800e-003	2.0000e-005	2.2000e-003	1.0000e-005	2.2100e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.9116	1.9116	5.0000e-005	5.0000e-005	1.9289	

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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8159	1.2957	7.8178	0.0165	1.7092	0.0146	1.7238	0.4563	0.0137	0.4700	0.0000	1,518.992 1	1,518.992 1	0.0893	0.0826	1,545.845 0
Unmitigated	0.8159	1.2957	7.8178	0.0165	1.7092	0.0146	1.7238	0.4563	0.0137	0.4700	0.0000	1,518.992 1	1,518.992 1	0.0893	0.0826	1,545.845 0

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,614.24	1,631.34	1,462.05	4,529,825	4,529,825
Total	1,614.24	1,631.34	1,462.05	4,529,825	4,529,825

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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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	241.5370	241.5370	0.0204	2.4700e-003	242.7830
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	241.5370	241.5370	0.0204	2.4700e-003	242.7830
NaturalGas Mitigated	0.0261	0.2229	0.0948	1.4200e-003		0.0180	0.0180		0.0180	0.0180	0.0000	258.1243	258.1243	4.9500e-003	4.7300e-003	259.6582
NaturalGas Unmitigated	0.0261	0.2229	0.0948	1.4200e-003		0.0180	0.0180		0.0180	0.0180	0.0000	258.1243	258.1243	4.9500e-003	4.7300e-003	259.6582

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	KBTU/yr	tons/yr													MT/yr			
		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
Single Family Housing +006	4.83707e+006	0.0261	0.2229	0.0948	1.4200e-003	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0000	258.1243	258.1243	4.9500e-003	4.7300e-003	259.6582
Total		0.0261	0.2229	0.0948	1.4200e-003	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0000	258.1243	258.1243	4.9500e-003	4.7300e-003	259.6582

Mitigated

Land Use	KBTU/yr	tons/yr													MT/yr			
		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
Single Family Housing +006	4.83707e+006	0.0261	0.2229	0.0948	1.4200e-003	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0000	258.1243	258.1243	4.9500e-003	4.7300e-003	259.6582
Total		0.0261	0.2229	0.0948	1.4200e-003	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0000	258.1243	258.1243	4.9500e-003	4.7300e-003	259.6582

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5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	MT/yr			
Single Family Housing	1.36196e+006	241.5370	0.0204	2.4700e-003
Total	241.5370	0.0204	2.4700e-003	242.7830

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	MT/yr			
Single Family Housing	1.36196e+006	241.5370	0.0204	2.4700e-003
Total	241.5370	0.0204	2.4700e-003	242.7830

6.0 Area Detail

6.1 Mitigation Measures Area

TTM 20471 - Adelanto - Mojave Desert AQMD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.6146	0.1044	2.8788	5.6400e-003		0.2704	0.2704		0.2704	0.2704	34.5653	76.1525	110.7178	0.1650	1.3600e-003	115.2474
Unmitigated	1.6146	0.1044	2.8788	5.6400e-003		0.2704	0.2704		0.2704	0.2704	34.5653	76.1525	110.7178	0.1650	1.3600e-003	115.2474

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	0.1926					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2021					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1817	0.0898	1.6096	5.5700e-003		0.2633	0.2633		0.2633	0.2633	34.5653	74.0785	108.6438	0.1630	1.3600e-003	113.1236
Landscaping	0.0382	0.0146	1.2692	7.0000e-005		7.0300e-003	7.0300e-003		7.0300e-003	7.0300e-003	0.0000	2.0740	2.0740	1.9900e-003	0.0000	2.1238
Total	1.6146	0.1044	2.8788	5.6400e-003		0.2703	0.2703		0.2703	0.2703	34.5653	76.1525	110.7178	0.1650	1.3600e-003	115.2474

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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	tons/yr										MT/yr					
Architectural Coating	0.1926					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2021					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1817	0.0898	1.6096	5.5700e-003		0.2633	0.2633		0.2633	0.2633	34.5653	74.0785	108.6438	0.1630	1.3600e-003	113.1236
Landscaping	0.0382	0.0146	1.2692	7.0000e-005		7.0300e-003	7.0300e-003		7.0300e-003	7.0300e-003	0.0000	2.0740	2.0740	1.9900e-003	0.0000	2.1238
Total	1.6146	0.1044	2.8788	5.6400e-003		0.2703	0.2703		0.2703	0.2703	34.5653	76.1525	110.7178	0.1650	1.3600e-003	115.2474

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	43.1016	0.3664	8.9800e-003	54.9363
Unmitigated	43.1016	0.3664	8.9800e-003	54.9363

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	11.1413 / 7.02389	43.1016	0.3664	8.9800e-003	54.9363
Total		43.1016	0.3664	8.9800e-003	54.9363

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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	11.1413 / 7.02389	43.1016	0.3664	8.9800e-003	54.9363
Total		43.1016	0.3664	8.9800e-003	54.9363

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	40.6977	2.4052	0.0000	100.8267
Unmitigated	40.6977	2.4052	0.0000	100.8267

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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

TTM 20471 - Adelanto

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 20471 - Adelanto**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

TTM 20471 - Adelanto

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	1.09680E-001	1.16896E+000	5.82480E-001	1.87000E-003	4.88800E-002	4.49700E-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	1.08230E-001	1.01398E+000	1.26705E+000	1.70000E-003	6.02500E-002	5.54300E-002	0.00000E+000	1.49063E+002	1.49063E+002	4.82100E-002	0.00000E+000	1.50269E+002
Generator Sets	1.08370E-001	9.66110E-001	1.35645E+000	2.43000E-003	4.33800E-002	4.33800E-002	0.00000E+000	2.09127E+002	2.09127E+002	8.71000E-003	0.00000E+000	2.09345E+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	1.64180E-001	1.66157E+000	2.47105E+000	3.45000E-003	7.96800E-002	7.33100E-002	0.00000E+000	3.02728E+002	3.02728E+002	9.79100E-002	0.00000E+000	3.05176E+002
Welders	8.99300E-002	5.16060E-001	6.17650E-001	9.50000E-004	1.86500E-002	1.86500E-002	0.00000E+000	6.96416E+001	6.96416E+001	7.30000E-003	0.00000E+000	6.98241E+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	1.09680E-001	1.16896E+000	5.82480E-001	1.87000E-003	4.88800E-002	4.49700E-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	1.08230E-001	1.01398E+000	1.26705E+000	1.70000E-003	6.02500E-002	5.54300E-002	0.00000E+000	1.49063E+002	1.49063E+002	4.82100E-002	0.00000E+000	1.50268E+002
Generator Sets	1.08370E-001	9.66110E-001	1.35645E+000	2.43000E-003	4.33800E-002	4.33800E-002	0.00000E+000	2.09127E+002	2.09127E+002	8.71000E-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	1.64180E-001	1.66157E+000	2.47105E+000	3.45000E-003	7.96800E-002	7.33100E-002	0.00000E+000	3.02728E+002	3.02728E+002	9.79100E-002	0.00000E+000	3.05176E+002
Welders	8.99300E-002	5.16060E-001	6.17650E-001	9.50000E-004	1.86500E-002	1.86500E-002	0.00000E+000	6.96416E+001	6.96416E+001	7.30000E-003	0.00000E+000	6.98240E+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	1.20881E-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	0.00000E+000	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	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19545E-006	1.19545E-006	0.00000E+000	0.00000E+000	1.19420E-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	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18918E-006	1.18918E-006	0.00000E+000	0.00000E+000	1.17965E-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	0.23	0.06	0.19	0.05	0.17	0.15
Grading	Fugitive Dust	0.35	0.14	0.13	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

TTM 20471 - Adelanto

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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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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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)	250.00
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	