

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**TTM 20484 - Victorville 131**

**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	131.00	Dwelling Unit	42.93	235,800.00	375

**1.2 Other Project Characteristics**

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

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - Lot acreage per site plan.
- Construction Phase - No demolition phase
- Grading - Acres graded and import per earthwork volume ananalysis
- Construction Off-road Equipment Mitigation - Construction mitigation for fugitive dust
- Architectural Coating - VOCs per AQMD Rule
- Woodstoves - No wood burning hearths
- Area Coating - Arch Coating per MDAQMD's Rule

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

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tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	20
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	20
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	72.05	118.00
tblFireplaces	NumberNoFireplace	13.10	12.00
tblFireplaces	NumberWood	45.85	0.00
tblLandUse	LotAcreage	42.53	42.93
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	29.8959	0.0680	19.8049	1.6478	21.4182	10.1417	1.5164	11.6259	0.0000	6,635.7537	6,635.7537	1.9501	0.0779	6,707.7253
2023	1.7660	14.9531	17.8203	0.0332	0.4811	0.7064	1.1875	0.1298	0.6647	0.7945	0.0000	3,202.0752	3,202.0752	0.6189	0.0488	3,232.0868
2024	1.6513	13.9961	17.6375	0.0330	0.4811	0.6199	1.1009	0.1298	0.5831	0.7129	0.0000	3,187.0384	3,187.0384	0.6144	0.0472	3,216.4624
2025	27.0257	13.0085	17.4608	0.0329	0.4811	0.5340	1.0150	0.1298	0.5024	0.6321	0.0000	3,173.3533	3,173.3533	0.7162	0.0457	3,202.2316
<b>Maximum</b>	<b>27.0257</b>	<b>39.7964</b>	<b>29.8959</b>	<b>0.0680</b>	<b>19.8049</b>	<b>1.6478</b>	<b>21.4182</b>	<b>10.1417</b>	<b>1.5164</b>	<b>11.6259</b>	<b>0.0000</b>	<b>6,635.7537</b>	<b>6,635.7537</b>	<b>1.9501</b>	<b>0.0779</b>	<b>6,707.7253</b>



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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	9.0781	2.5642	41.2032	0.1095		5.0415	5.0415		5.0415	5.0415	711.9274	2,518.2839	3,230.2112	3.3947	0.0458	3,328.7302
Energy	0.1095	0.9356	0.3981	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.3881	1,194.3881	0.0229	0.0219	1,201.4858
Mobile	4.3093	5.1507	36.2959	0.0759	7.4912	0.0629	7.5542	1.9969	0.0591	2.0561		7,843.4952	7,843.4952	0.4031	0.3775	7,966.0720
<b>Total</b>	<b>13.4969</b>	<b>8.6505</b>	<b>77.8973</b>	<b>0.1914</b>	<b>7.4912</b>	<b>5.1801</b>	<b>12.6713</b>	<b>1.9969</b>	<b>5.1763</b>	<b>7.1732</b>	<b>711.9274</b>	<b>11,556.1672</b>	<b>12,268.0946</b>	<b>3.8207</b>	<b>0.4452</b>	<b>12,496.2880</b>

**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	9.0781	2.5642	41.2032	0.1095		5.0415	5.0415		5.0415	5.0415	711.9274	2,518.2839	3,230.2112	3.3947	0.0458	3,328.7302
Energy	0.1095	0.9356	0.3981	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.3881	1,194.3881	0.0229	0.0219	1,201.4858
Mobile	4.3093	5.1507	36.2959	0.0759	7.4912	0.0629	7.5542	1.9969	0.0591	2.0561		7,843.4952	7,843.4952	0.4031	0.3775	7,966.0720
<b>Total</b>	<b>13.4969</b>	<b>8.6505</b>	<b>77.8973</b>	<b>0.1914</b>	<b>7.4912</b>	<b>5.1801</b>	<b>12.6713</b>	<b>1.9969</b>	<b>5.1763</b>	<b>7.1732</b>	<b>711.9274</b>	<b>11,556.1672</b>	<b>12,268.0946</b>	<b>3.8207</b>	<b>0.4452</b>	<b>12,496.2880</b>

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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: 477,495; Residential Outdoor: 159,165; 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	47.00	14.00	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	9.00	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
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**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	0.0399	0.5581	1.3800e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		140.1783	140.1783	4.1600e-003	3.8400e-003	141.4271
<b>Total</b>	<b>0.0713</b>	<b>0.0399</b>	<b>0.5581</b>	<b>1.3800e-003</b>	<b>0.1479</b>	<b>7.5000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>6.9000e-004</b>	<b>0.0399</b>		<b>140.1783</b>	<b>140.1783</b>	<b>4.1600e-003</b>	<b>3.8400e-003</b>	<b>141.4271</b>

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**3.2 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	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
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>7.6662</b>	<b>1.6126</b>	<b>9.2788</b>	<b>3.9400</b>	<b>1.4836</b>	<b>5.4235</b>	<b>0.0000</b>	<b>3,686.061 9</b>	<b>3,686.061 9</b>	<b>1.1922</b>		<b>3,715.865 5</b>

**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	0.0399	0.5581	1.3800e-003	0.1222	7.5000e-004	0.1229	0.0329	6.9000e-004	0.0336		140.1783	140.1783	4.1600e-003	3.8400e-003	141.4271
<b>Total</b>	<b>0.0713</b>	<b>0.0399</b>	<b>0.5581</b>	<b>1.3800e-003</b>	<b>0.1222</b>	<b>7.5000e-004</b>	<b>0.1229</b>	<b>0.0329</b>	<b>6.9000e-004</b>	<b>0.0336</b>		<b>140.1783</b>	<b>140.1783</b>	<b>4.1600e-003</b>	<b>3.8400e-003</b>	<b>141.4271</b>



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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
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.6349</b>	<b>10.8385</b>	<b>3.6538</b>	<b>1.5041</b>	<b>5.1579</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**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	0.6201	1.5300e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		155.7537	155.7537	4.6200e-003	4.2700e-003	157.1412
<b>Total</b>	<b>0.1035</b>	<b>0.9529</b>	<b>0.8544</b>	<b>5.9600e-003</b>	<b>0.2991</b>	<b>0.0129</b>	<b>0.3120</b>	<b>0.0806</b>	<b>0.0123</b>	<b>0.0929</b>		<b>624.3432</b>	<b>624.3432</b>	<b>5.8500e-003</b>	<b>0.0779</b>	<b>647.7095</b>

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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
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>3.5894</b>	<b>1.6349</b>	<b>5.2243</b>	<b>1.4250</b>	<b>1.5041</b>	<b>2.9291</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**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	0.6201	1.5300e-003	0.1357	8.3000e-004	0.1366	0.0366	7.6000e-004	0.0373		155.7537	155.7537	4.6200e-003	4.2700e-003	157.1412
<b>Total</b>	<b>0.1035</b>	<b>0.9529</b>	<b>0.8544</b>	<b>5.9600e-003</b>	<b>0.2502</b>	<b>0.0129</b>	<b>0.2631</b>	<b>0.0686</b>	<b>0.0123</b>	<b>0.0809</b>		<b>624.3432</b>	<b>624.3432</b>	<b>5.8500e-003</b>	<b>0.0779</b>	<b>647.7095</b>

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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
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**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	0.0264	0.5720	0.2600	2.8500e-003	0.0950	7.9900e-003	0.1030	0.0274	7.6400e-003	0.0350		299.5272	299.5272	1.5400e-003	0.0409	311.7672
Worker	0.1862	0.1041	1.4572	3.6000e-003	0.3861	1.9500e-003	0.3880	0.1024	1.7900e-003	0.1042		366.0211	366.0211	0.0109	0.0100	369.2818
<b>Total</b>	<b>0.2126</b>	<b>0.6760</b>	<b>1.7172</b>	<b>6.4500e-003</b>	<b>0.4811</b>	<b>9.9400e-003</b>	<b>0.4910</b>	<b>0.1298</b>	<b>9.4300e-003</b>	<b>0.1392</b>		<b>665.5483</b>	<b>665.5483</b>	<b>0.0124</b>	<b>0.0510</b>	<b>681.0489</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**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	0.0264	0.5720	0.2600	2.8500e-003	0.0815	7.9900e-003	0.0894	0.0240	7.6400e-003	0.0317		299.5272	299.5272	1.5400e-003	0.0409	311.7672
Worker	0.1862	0.1041	1.4572	3.6000e-003	0.3190	1.9500e-003	0.3209	0.0859	1.7900e-003	0.0877		366.0211	366.0211	0.0109	0.0100	369.2818
<b>Total</b>	<b>0.2126</b>	<b>0.6760</b>	<b>1.7172</b>	<b>6.4500e-003</b>	<b>0.4004</b>	<b>9.9400e-003</b>	<b>0.4104</b>	<b>0.1100</b>	<b>9.4300e-003</b>	<b>0.1194</b>		<b>665.5483</b>	<b>665.5483</b>	<b>0.0124</b>	<b>0.0510</b>	<b>681.0489</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0216	0.4765	0.2438	2.7600e-003	0.0950	4.8400e-003	0.0998	0.0274	4.6300e-003	0.0320		290.6055	290.6055	1.2900e-003	0.0396	302.4231
Worker	0.1717	0.0917	1.3325	3.4800e-003	0.3861	1.8300e-003	0.3879	0.1024	1.6800e-003	0.1041		356.2598	356.2598	9.7400e-003	9.2400e-003	359.2577
<b>Total</b>	<b>0.1933</b>	<b>0.5682</b>	<b>1.5763</b>	<b>6.2400e-003</b>	<b>0.4811</b>	<b>6.6700e-003</b>	<b>0.4877</b>	<b>0.1298</b>	<b>6.3100e-003</b>	<b>0.1361</b>		<b>646.8653</b>	<b>646.8653</b>	<b>0.0110</b>	<b>0.0488</b>	<b>661.6808</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0216	0.4765	0.2438	2.7600e-003	0.0815	4.8400e-003	0.0863	0.0240	4.6300e-003	0.0287		290.6055	290.6055	1.2900e-003	0.0396	302.4231
Worker	0.1717	0.0917	1.3325	3.4800e-003	0.3190	1.8300e-003	0.3208	0.0859	1.6800e-003	0.0876		356.2598	356.2598	9.7400e-003	9.2400e-003	359.2577
<b>Total</b>	<b>0.1933</b>	<b>0.5682</b>	<b>1.5763</b>	<b>6.2400e-003</b>	<b>0.4004</b>	<b>6.6700e-003</b>	<b>0.4071</b>	<b>0.1100</b>	<b>6.3100e-003</b>	<b>0.1163</b>		<b>646.8653</b>	<b>646.8653</b>	<b>0.0110</b>	<b>0.0488</b>	<b>661.6808</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**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	0.0208	0.4711	0.2350	2.7000e-003	0.0950	4.8200e-003	0.0998	0.0274	4.6100e-003	0.0320		284.2745	284.2745	1.2300e-003	0.0386	295.8194
Worker	0.1589	0.0813	1.2356	3.3600e-003	0.3861	1.7300e-003	0.3878	0.1024	1.5900e-003	0.1040		347.0650	347.0650	8.7700e-003	8.5600e-003	349.8353
<b>Total</b>	<b>0.1797</b>	<b>0.5523</b>	<b>1.4707</b>	<b>6.0600e-003</b>	<b>0.4811</b>	<b>6.5500e-003</b>	<b>0.4876</b>	<b>0.1298</b>	<b>6.2000e-003</b>	<b>0.1360</b>		<b>631.3395</b>	<b>631.3395</b>	<b>0.0100</b>	<b>0.0472</b>	<b>645.6547</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**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	0.0208	0.4711	0.2350	2.7000e-003	0.0815	4.8200e-003	0.0863	0.0240	4.6100e-003	0.0286		284.2745	284.2745	1.2300e-003	0.0386	295.8194
Worker	0.1589	0.0813	1.2356	3.3600e-003	0.3190	1.7300e-003	0.3207	0.0859	1.5900e-003	0.0875		347.0650	347.0650	8.7700e-003	8.5600e-003	349.8353
<b>Total</b>	<b>0.1797</b>	<b>0.5523</b>	<b>1.4707</b>	<b>6.0600e-003</b>	<b>0.4004</b>	<b>6.5500e-003</b>	<b>0.4070</b>	<b>0.1100</b>	<b>6.2000e-003</b>	<b>0.1162</b>		<b>631.3395</b>	<b>631.3395</b>	<b>0.0100</b>	<b>0.0472</b>	<b>645.6547</b>



TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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	0.0203	0.4661	0.2292	2.6500e-003	0.0950	4.8000e-003	0.0998	0.0274	4.5900e-003	0.0319		278.4288	278.4288	1.1900e-003	0.0378	289.7089
Worker	0.1477	0.0727	1.1469	3.2500e-003	0.3861	1.6400e-003	0.3877	0.1024	1.5100e-003	0.1039		338.4501	338.4501	7.9100e-003	7.9800e-003	341.0246
<b>Total</b>	<b>0.1680</b>	<b>0.5388</b>	<b>1.3762</b>	<b>5.9000e-003</b>	<b>0.4811</b>	<b>6.4400e-003</b>	<b>0.4875</b>	<b>0.1298</b>	<b>6.1000e-003</b>	<b>0.1359</b>		<b>616.8789</b>	<b>616.8789</b>	<b>9.1000e-003</b>	<b>0.0457</b>	<b>630.7335</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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	0.0203	0.4661	0.2292	2.6500e-003	0.0814	4.8000e-003	0.0862	0.0240	4.5900e-003	0.0286		278.4288	278.4288	1.1900e-003	0.0378	289.7089
Worker	0.1477	0.0727	1.1469	3.2500e-003	0.3190	1.6400e-003	0.3206	0.0859	1.5100e-003	0.0875		338.4501	338.4501	7.9100e-003	7.9800e-003	341.0246
<b>Total</b>	<b>0.1680</b>	<b>0.5388</b>	<b>1.3762</b>	<b>5.9000e-003</b>	<b>0.4004</b>	<b>6.4400e-003</b>	<b>0.4069</b>	<b>0.1100</b>	<b>6.1000e-003</b>	<b>0.1161</b>		<b>616.8789</b>	<b>616.8789</b>	<b>9.1000e-003</b>	<b>0.0457</b>	<b>630.7335</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**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	0.3660	1.0400e-003	0.1232	5.2000e-004	0.1237	0.0327	4.8000e-004	0.0332		108.0160	108.0160	2.5200e-003	2.5500e-003	108.8376
<b>Total</b>	<b>0.0471</b>	<b>0.0232</b>	<b>0.3660</b>	<b>1.0400e-003</b>	<b>0.1232</b>	<b>5.2000e-004</b>	<b>0.1237</b>	<b>0.0327</b>	<b>4.8000e-004</b>	<b>0.0332</b>		<b>108.0160</b>	<b>108.0160</b>	<b>2.5200e-003</b>	<b>2.5500e-003</b>	<b>108.8376</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**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	0.3660	1.0400e-003	0.1018	5.2000e-004	0.1023	0.0274	4.8000e-004	0.0279		108.0160	108.0160	2.5200e-003	2.5500e-003	108.8376
<b>Total</b>	<b>0.0471</b>	<b>0.0232</b>	<b>0.3660</b>	<b>1.0400e-003</b>	<b>0.1018</b>	<b>5.2000e-004</b>	<b>0.1023</b>	<b>0.0274</b>	<b>4.8000e-004</b>	<b>0.0279</b>		<b>108.0160</b>	<b>108.0160</b>	<b>2.5200e-003</b>	<b>2.5500e-003</b>	<b>108.8376</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	26.8265					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
<b>Total</b>	<b>26.9974</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**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	0.0283	0.0139	0.2196	6.2000e-004	0.0739	3.1000e-004	0.0743	0.0196	2.9000e-004	0.0199		64.8096	64.8096	1.5100e-003	1.5300e-003	65.3026
<b>Total</b>	<b>0.0283</b>	<b>0.0139</b>	<b>0.2196</b>	<b>6.2000e-004</b>	<b>0.0739</b>	<b>3.1000e-004</b>	<b>0.0743</b>	<b>0.0196</b>	<b>2.9000e-004</b>	<b>0.0199</b>		<b>64.8096</b>	<b>64.8096</b>	<b>1.5100e-003</b>	<b>1.5300e-003</b>	<b>65.3026</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	26.8265					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
<b>Total</b>	<b>26.9974</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**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	0.0283	0.0139	0.2196	6.2000e-004	0.0611	3.1000e-004	0.0614	0.0165	2.9000e-004	0.0168		64.8096	64.8096	1.5100e-003	1.5300e-003	65.3026
<b>Total</b>	<b>0.0283</b>	<b>0.0139</b>	<b>0.2196</b>	<b>6.2000e-004</b>	<b>0.0611</b>	<b>3.1000e-004</b>	<b>0.0614</b>	<b>0.0165</b>	<b>2.9000e-004</b>	<b>0.0168</b>		<b>64.8096</b>	<b>64.8096</b>	<b>1.5100e-003</b>	<b>1.5300e-003</b>	<b>65.3026</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.3093	5.1507	36.2959	0.0759	7.4912	0.0629	7.5542	1.9969	0.0591	2.0561		7,843.495 2	7,843.495 2	0.4031	0.3775	7,966.072 0
Unmitigated	4.3093	5.1507	36.2959	0.0759	7.4912	0.0629	7.5542	1.9969	0.0591	2.0561		7,843.495 2	7,843.495 2	0.4031	0.3775	7,966.072 0

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,236.64	1,249.74	1120.05	3,470,217	3,470,217
Total	1,236.64	1,249.74	1,120.05	3,470,217	3,470,217

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1095	0.9356	0.3981	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.3881	1,194.3881	0.0229	0.0219	1,201.4858
NaturalGas Unmitigated	0.1095	0.9356	0.3981	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.3881	1,194.3881	0.0229	0.0219	1,201.4858

**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	10152.3	0.1095	0.9356	0.3981	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.3881	1,194.3881	0.0229	0.0219	1,201.4858
<b>Total</b>		<b>0.1095</b>	<b>0.9356</b>	<b>0.3981</b>	<b>5.9700e-003</b>		<b>0.0756</b>	<b>0.0756</b>		<b>0.0756</b>	<b>0.0756</b>		<b>1,194.3881</b>	<b>1,194.3881</b>	<b>0.0229</b>	<b>0.0219</b>	<b>1,201.4858</b>



TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	10.1523	0.1095	0.9356	0.3981	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.3881	1,194.3881	0.0229	0.0219	1,201.4858
<b>Total</b>		<b>0.1095</b>	<b>0.9356</b>	<b>0.3981</b>	<b>5.9700e-003</b>		<b>0.0756</b>	<b>0.0756</b>		<b>0.0756</b>	<b>0.0756</b>		<b>1,194.3881</b>	<b>1,194.3881</b>	<b>0.0229</b>	<b>0.0219</b>	<b>1,201.4858</b>

**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	9.0781	2.5642	41.2032	0.1095		5.0415	5.0415		5.0415	5.0415	711.9274	2,518.2839	3,230.2112	3.3947	0.0458	3,328.7302
Unmitigated	9.0781	2.5642	41.2032	0.1095		5.0415	5.0415		5.0415	5.0415	711.9274	2,518.2839	3,230.2112	3.3947	0.0458	3,328.7302

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0461					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.4848	2.4398	30.4001	0.1090		4.9816	4.9816		4.9816	4.9816	711.9274	2,498.8235	3,210.7509	3.3760	0.0458	3,308.8030
Landscaping	0.3248	0.1245	10.8031	5.7000e-004		0.0599	0.0599		0.0599	0.0599		19.4604	19.4604	0.0187		19.9272
<b>Total</b>	<b>9.0781</b>	<b>2.5642</b>	<b>41.2032</b>	<b>0.1095</b>		<b>5.0415</b>	<b>5.0415</b>		<b>5.0415</b>	<b>5.0415</b>	<b>711.9274</b>	<b>2,518.2839</b>	<b>3,230.2112</b>	<b>3.3947</b>	<b>0.0458</b>	<b>3,328.7302</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0461					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.4848	2.4398	30.4001	0.1090		4.9816	4.9816		4.9816	4.9816	711.9274	2,498.8235	3,210.7509	3.3760	0.0458	3,308.8030
Landscaping	0.3248	0.1245	10.8031	5.7000e-004		0.0599	0.0599		0.0599	0.0599		19.4604	19.4604	0.0187		19.9272
<b>Total</b>	<b>9.0781</b>	<b>2.5642</b>	<b>41.2032</b>	<b>0.1095</b>		<b>5.0415</b>	<b>5.0415</b>		<b>5.0415</b>	<b>5.0415</b>	<b>711.9274</b>	<b>2,518.2839</b>	<b>3,230.2112</b>	<b>3.3947</b>	<b>0.0458</b>	<b>3,328.7302</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**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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TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**TTM 20484 - Victorville 131**  
**Mojave Desert AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	131.00	Dwelling Unit	42.93	235,800.00	375

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	30
<b>Climate Zone</b>	10			<b>Operational Year</b>	2024
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	390.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	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 - VOCs per AQMD Rule
- Woodstoves - No wood burning hearths
- Area Coating - Arch Coating per MDAQMD's Rule

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 Applied**

tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	20
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	20
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	72.05	118.00
tblFireplaces	NumberNoFireplace	13.10	12.00
tblFireplaces	NumberWood	45.85	0.00
tblLandUse	LotAcreage	42.53	42.93
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	29.7769	0.0679	19.8049	1.6478	21.4182	10.1417	1.5165	11.6259	0.0000	6,618.909 1	6,618.909 1	1.9501	0.0781	6,690.929 0
2023	1.7478	14.9864	17.5616	0.0328	0.4811	0.7064	1.1875	0.1298	0.6648	0.7945	0.0000	3,163.176 1	3,163.176 1	0.6190	0.0491	3,193.289 7
2024	1.6346	14.0287	17.4005	0.0327	0.4811	0.6199	1.1009	0.1298	0.5831	0.7129	0.0000	3,149.251 7	3,149.251 7	0.6145	0.0475	3,178.772 1
2025	27.0230	13.0405	17.2433	0.0325	0.4811	0.5340	1.0151	0.1298	0.5024	0.6321	0.0000	3,136.596 6	3,136.596 6	0.7163	0.0460	3,165.566 7
<b>Maximum</b>	<b>27.0230</b>	<b>39.8477</b>	<b>29.7769</b>	<b>0.0679</b>	<b>19.8049</b>	<b>1.6478</b>	<b>21.4182</b>	<b>10.1417</b>	<b>1.5165</b>	<b>11.6259</b>	<b>0.0000</b>	<b>6,618.909 1</b>	<b>6,618.909 1</b>	<b>1.9501</b>	<b>0.0781</b>	<b>6,690.929 0</b>



TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	9.0781	2.5642	41.2032	0.1095		5.0415	5.0415		5.0415	5.0415	711.9274	2,518.2839	3,230.2112	3.3947	0.0458	3,328.7302
Energy	0.1095	0.9356	0.3981	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.3881	1,194.3881	0.0229	0.0219	1,201.4858
Mobile	3.5436	5.4609	31.8393	0.0695	7.4912	0.0630	7.5542	1.9969	0.0592	2.0561		7,182.6492	7,182.6492	0.4151	0.3851	7,307.7889
<b>Total</b>	<b>12.7311</b>	<b>8.9607</b>	<b>73.4407</b>	<b>0.1850</b>	<b>7.4912</b>	<b>5.1801</b>	<b>12.6713</b>	<b>1.9969</b>	<b>5.1763</b>	<b>7.1732</b>	<b>711.9274</b>	<b>10,895.3212</b>	<b>11,607.2486</b>	<b>3.8327</b>	<b>0.4528</b>	<b>11,838.0049</b>

**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	9.0781	2.5642	41.2032	0.1095		5.0415	5.0415		5.0415	5.0415	711.9274	2,518.2839	3,230.2112	3.3947	0.0458	3,328.7302
Energy	0.1095	0.9356	0.3981	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.3881	1,194.3881	0.0229	0.0219	1,201.4858
Mobile	3.5436	5.4609	31.8393	0.0695	7.4912	0.0630	7.5542	1.9969	0.0592	2.0561		7,182.6492	7,182.6492	0.4151	0.3851	7,307.7889
<b>Total</b>	<b>12.7311</b>	<b>8.9607</b>	<b>73.4407</b>	<b>0.1850</b>	<b>7.4912</b>	<b>5.1801</b>	<b>12.6713</b>	<b>1.9969</b>	<b>5.1763</b>	<b>7.1732</b>	<b>711.9274</b>	<b>10,895.3212</b>	<b>11,607.2486</b>	<b>3.8327</b>	<b>0.4528</b>	<b>11,838.0049</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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: 477,495; Residential Outdoor: 159,165; 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 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	47.00	14.00	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	9.00	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 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
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**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	0.0642	0.0410	0.4448	1.2200e-003	0.1479	7.5000e-004	0.1486	0.0392	6.9000e-004	0.0399		124.5065	124.5065	4.2200e-003	3.9100e-003	125.7763
<b>Total</b>	<b>0.0642</b>	<b>0.0410</b>	<b>0.4448</b>	<b>1.2200e-003</b>	<b>0.1479</b>	<b>7.5000e-004</b>	<b>0.1486</b>	<b>0.0392</b>	<b>6.9000e-004</b>	<b>0.0399</b>		<b>124.5065</b>	<b>124.5065</b>	<b>4.2200e-003</b>	<b>3.9100e-003</b>	<b>125.7763</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>7.6662</b>	<b>1.6126</b>	<b>9.2788</b>	<b>3.9400</b>	<b>1.4836</b>	<b>5.4235</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**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	0.0642	0.0410	0.4448	1.2200e-003	0.1222	7.5000e-004	0.1229	0.0329	6.9000e-004	0.0336		124.5065	124.5065	4.2200e-003	3.9100e-003	125.7763
<b>Total</b>	<b>0.0642</b>	<b>0.0410</b>	<b>0.4448</b>	<b>1.2200e-003</b>	<b>0.1222</b>	<b>7.5000e-004</b>	<b>0.1229</b>	<b>0.0329</b>	<b>6.9000e-004</b>	<b>0.0336</b>		<b>124.5065</b>	<b>124.5065</b>	<b>4.2200e-003</b>	<b>3.9100e-003</b>	<b>125.7763</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.6349</b>	<b>10.8385</b>	<b>3.6538</b>	<b>1.5041</b>	<b>5.1579</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**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	0.4942	1.3600e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		138.3405	138.3405	4.6900e-003	4.3400e-003	139.7515
<b>Total</b>	<b>0.0940</b>	<b>1.0043</b>	<b>0.7354</b>	<b>5.7900e-003</b>	<b>0.2991</b>	<b>0.0130</b>	<b>0.3120</b>	<b>0.0806</b>	<b>0.0124</b>	<b>0.0929</b>		<b>607.4985</b>	<b>607.4985</b>	<b>5.8500e-003</b>	<b>0.0781</b>	<b>630.9132</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>3.5894</b>	<b>1.6349</b>	<b>5.2243</b>	<b>1.4250</b>	<b>1.5041</b>	<b>2.9291</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**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	0.4942	1.3600e-003	0.1357	8.3000e-004	0.1366	0.0366	7.6000e-004	0.0373		138.3405	138.3405	4.6900e-003	4.3400e-003	139.7515
<b>Total</b>	<b>0.0940</b>	<b>1.0043</b>	<b>0.7354</b>	<b>5.7900e-003</b>	<b>0.2502</b>	<b>0.0130</b>	<b>0.2631</b>	<b>0.0686</b>	<b>0.0124</b>	<b>0.0809</b>		<b>607.4985</b>	<b>607.4985</b>	<b>5.8500e-003</b>	<b>0.0781</b>	<b>630.9132</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**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	0.0252	0.6049	0.2698	2.8500e-003	0.0950	8.0100e-003	0.1030	0.0274	7.6600e-003	0.0350		300.0113	300.0113	1.4800e-003	0.0411	312.2885
Worker	0.1675	0.1070	1.1614	3.2000e-003	0.3861	1.9500e-003	0.3880	0.1024	1.7900e-003	0.1042		325.1003	325.1003	0.0110	0.0102	328.4160
<b>Total</b>	<b>0.1927</b>	<b>0.7119</b>	<b>1.4312</b>	<b>6.0500e-003</b>	<b>0.4811</b>	<b>9.9600e-003</b>	<b>0.4910</b>	<b>0.1298</b>	<b>9.4500e-003</b>	<b>0.1392</b>		<b>625.1116</b>	<b>625.1116</b>	<b>0.0125</b>	<b>0.0513</b>	<b>640.7045</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**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	0.0252	0.6049	0.2698	2.8500e-003	0.0815	8.0100e-003	0.0895	0.0240	7.6600e-003	0.0317		300.0113	300.0113	1.4800e-003	0.0411	312.2885
Worker	0.1675	0.1070	1.1614	3.2000e-003	0.3190	1.9500e-003	0.3209	0.0859	1.7900e-003	0.0877		325.1003	325.1003	0.0110	0.0102	328.4160
<b>Total</b>	<b>0.1927</b>	<b>0.7119</b>	<b>1.4312</b>	<b>6.0500e-003</b>	<b>0.4004</b>	<b>9.9600e-003</b>	<b>0.4104</b>	<b>0.1100</b>	<b>9.4500e-003</b>	<b>0.1194</b>		<b>625.1116</b>	<b>625.1116</b>	<b>0.0125</b>	<b>0.0513</b>	<b>640.7045</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**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	0.0202	0.5072	0.2522	2.7700e-003	0.0950	4.8600e-003	0.0998	0.0274	4.6500e-003	0.0320		291.4216	291.4216	1.2300e-003	0.0397	303.2901
Worker	0.1548	0.0943	1.0654	3.0900e-003	0.3861	1.8300e-003	0.3879	0.1024	1.6800e-003	0.1041		316.5446	316.5446	9.9300e-003	9.4000e-003	319.5935
<b>Total</b>	<b>0.1750</b>	<b>0.6015</b>	<b>1.3176</b>	<b>5.8600e-003</b>	<b>0.4811</b>	<b>6.6900e-003</b>	<b>0.4877</b>	<b>0.1298</b>	<b>6.3300e-003</b>	<b>0.1361</b>		<b>607.9662</b>	<b>607.9662</b>	<b>0.0112</b>	<b>0.0491</b>	<b>622.8836</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**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	0.0202	0.5072	0.2522	2.7700e-003	0.0815	4.8600e-003	0.0863	0.0240	4.6500e-003	0.0287		291.4216	291.4216	1.2300e-003	0.0397	303.2901
Worker	0.1548	0.0943	1.0654	3.0900e-003	0.3190	1.8300e-003	0.3208	0.0859	1.6800e-003	0.0876		316.5446	316.5446	9.9300e-003	9.4000e-003	319.5935
<b>Total</b>	<b>0.1750</b>	<b>0.6015</b>	<b>1.3176</b>	<b>5.8600e-003</b>	<b>0.4004</b>	<b>6.6900e-003</b>	<b>0.4071</b>	<b>0.1100</b>	<b>6.3300e-003</b>	<b>0.1163</b>		<b>607.9662</b>	<b>607.9662</b>	<b>0.0112</b>	<b>0.0491</b>	<b>622.8836</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**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	0.0194	0.5013	0.2436	2.7100e-003	0.0950	4.8300e-003	0.0998	0.0274	4.6200e-003	0.0320		285.0814	285.0814	1.1700e-003	0.0388	296.6752
Worker	0.1436	0.0836	0.9901	2.9900e-003	0.3861	1.7300e-003	0.3878	0.1024	1.5900e-003	0.1040		308.4714	308.4714	8.9800e-003	8.7000e-003	311.2892
<b>Total</b>	<b>0.1631</b>	<b>0.5849</b>	<b>1.2337</b>	<b>5.7000e-003</b>	<b>0.4811</b>	<b>6.5600e-003</b>	<b>0.4876</b>	<b>0.1298</b>	<b>6.2100e-003</b>	<b>0.1360</b>		<b>593.5528</b>	<b>593.5528</b>	<b>0.0102</b>	<b>0.0475</b>	<b>607.9644</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**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	0.0194	0.5013	0.2436	2.7100e-003	0.0815	4.8300e-003	0.0863	0.0240	4.6200e-003	0.0287		285.0814	285.0814	1.1700e-003	0.0388	296.6752
Worker	0.1436	0.0836	0.9901	2.9900e-003	0.3190	1.7300e-003	0.3207	0.0859	1.5900e-003	0.0875		308.4714	308.4714	8.9800e-003	8.7000e-003	311.2892
<b>Total</b>	<b>0.1631</b>	<b>0.5849</b>	<b>1.2337</b>	<b>5.7000e-003</b>	<b>0.4004</b>	<b>6.5600e-003</b>	<b>0.4070</b>	<b>0.1100</b>	<b>6.2100e-003</b>	<b>0.1162</b>		<b>593.5528</b>	<b>593.5528</b>	<b>0.0102</b>	<b>0.0475</b>	<b>607.9644</b>

TTM 20484 - Victorville 131 - Mojave Desert AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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	0.0189	0.4961	0.2377	2.6600e-003	0.0950	4.8100e-003	0.0998	0.0274	4.6000e-003	0.0320		279.2241	279.2241	1.1300e-003	0.0379	290.5516
Worker	0.1337	0.0747	0.9209	2.8900e-003	0.3861	1.6400e-003	0.3877	0.1024	1.5100e-003	0.1039		300.8982	300.8982	8.1200e-003	8.1100e-003	303.5171
<b>Total</b>	<b>0.1526</b>	<b>0.5708</b>	<b>1.1587</b>	<b>5.5500e-003</b>	<b>0.4811</b>	<b>6.4500e-003</b>	<b>0.4875</b>	<b>0.1298</b>	<b>6.1100e-003</b>	<b>0.1359</b>		<b>580.1223</b>	<b>580.1223</b>	<b>9.2500e-003</b>	<b>0.0460</b>	<b>594.0686</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**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	0.0189	0.4961	0.2377	2.6600e-003	0.0814	4.8100e-003	0.0863	0.0240	4.6000e-003	0.0286		279.2241	279.2241	1.1300e-003	0.0379	290.5516
Worker	0.1337	0.0747	0.9209	2.8900e-003	0.3190	1.6400e-003	0.3206	0.0859	1.5100e-003	0.0875		300.8982	300.8982	8.1200e-003	8.1100e-003	303.5171
<b>Total</b>	<b>0.1526</b>	<b>0.5708</b>	<b>1.1587</b>	<b>5.5500e-003</b>	<b>0.4004</b>	<b>6.4500e-003</b>	<b>0.4069</b>	<b>0.1100</b>	<b>6.1100e-003</b>	<b>0.1161</b>		<b>580.1223</b>	<b>580.1223</b>	<b>9.2500e-003</b>	<b>0.0460</b>	<b>594.0686</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**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	0.0427	0.0238	0.2939	9.2000e-004	0.1232	5.2000e-004	0.1237	0.0327	4.8000e-004	0.0332		96.0313	96.0313	2.5900e-003	2.5900e-003	96.8672
<b>Total</b>	<b>0.0427</b>	<b>0.0238</b>	<b>0.2939</b>	<b>9.2000e-004</b>	<b>0.1232</b>	<b>5.2000e-004</b>	<b>0.1237</b>	<b>0.0327</b>	<b>4.8000e-004</b>	<b>0.0332</b>		<b>96.0313</b>	<b>96.0313</b>	<b>2.5900e-003</b>	<b>2.5900e-003</b>	<b>96.8672</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
<b>Total</b>	<b>0.9152</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.745 2</b>	<b>2,206.745 2</b>	<b>0.7137</b>		<b>2,224.587 8</b>

**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	0.0427	0.0238	0.2939	9.2000e-004	0.1018	5.2000e-004	0.1023	0.0274	4.8000e-004	0.0279		96.0313	96.0313	2.5900e-003	2.5900e-003	96.8672
<b>Total</b>	<b>0.0427</b>	<b>0.0238</b>	<b>0.2939</b>	<b>9.2000e-004</b>	<b>0.1018</b>	<b>5.2000e-004</b>	<b>0.1023</b>	<b>0.0274</b>	<b>4.8000e-004</b>	<b>0.0279</b>		<b>96.0313</b>	<b>96.0313</b>	<b>2.5900e-003</b>	<b>2.5900e-003</b>	<b>96.8672</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	26.8265					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
<b>Total</b>	<b>26.9974</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**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	0.0256	0.0143	0.1764	5.5000e-004	0.0739	3.1000e-004	0.0743	0.0196	2.9000e-004	0.0199		57.6188	57.6188	1.5600e-003	1.5500e-003	58.1203
<b>Total</b>	<b>0.0256</b>	<b>0.0143</b>	<b>0.1764</b>	<b>5.5000e-004</b>	<b>0.0739</b>	<b>3.1000e-004</b>	<b>0.0743</b>	<b>0.0196</b>	<b>2.9000e-004</b>	<b>0.0199</b>		<b>57.6188</b>	<b>57.6188</b>	<b>1.5600e-003</b>	<b>1.5500e-003</b>	<b>58.1203</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	26.8265					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
<b>Total</b>	<b>26.9974</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**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	0.0256	0.0143	0.1764	5.5000e-004	0.0611	3.1000e-004	0.0614	0.0165	2.9000e-004	0.0168		57.6188	57.6188	1.5600e-003	1.5500e-003	58.1203
<b>Total</b>	<b>0.0256</b>	<b>0.0143</b>	<b>0.1764</b>	<b>5.5000e-004</b>	<b>0.0611</b>	<b>3.1000e-004</b>	<b>0.0614</b>	<b>0.0165</b>	<b>2.9000e-004</b>	<b>0.0168</b>		<b>57.6188</b>	<b>57.6188</b>	<b>1.5600e-003</b>	<b>1.5500e-003</b>	<b>58.1203</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5436	5.4609	31.8393	0.0695	7.4912	0.0630	7.5542	1.9969	0.0592	2.0561		7,182.649 2	7,182.649 2	0.4151	0.3851	7,307.788 9
Unmitigated	3.5436	5.4609	31.8393	0.0695	7.4912	0.0630	7.5542	1.9969	0.0592	2.0561		7,182.649 2	7,182.649 2	0.4151	0.3851	7,307.788 9

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,236.64	1,249.74	1120.05	3,470,217	3,470,217
Total	1,236.64	1,249.74	1,120.05	3,470,217	3,470,217

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1095	0.9356	0.3981	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.3881	1,194.3881	0.0229	0.0219	1,201.4858
NaturalGas Unmitigated	0.1095	0.9356	0.3981	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.3881	1,194.3881	0.0229	0.0219	1,201.4858

**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	10152.3	0.1095	0.9356	0.3981	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.3881	1,194.3881	0.0229	0.0219	1,201.4858
<b>Total</b>		<b>0.1095</b>	<b>0.9356</b>	<b>0.3981</b>	<b>5.9700e-003</b>		<b>0.0756</b>	<b>0.0756</b>		<b>0.0756</b>	<b>0.0756</b>		<b>1,194.3881</b>	<b>1,194.3881</b>	<b>0.0229</b>	<b>0.0219</b>	<b>1,201.4858</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	10.1523	0.1095	0.9356	0.3981	5.9700e-003		0.0756	0.0756		0.0756	0.0756		1,194.3881	1,194.3881	0.0229	0.0219	1,201.4858
<b>Total</b>		<b>0.1095</b>	<b>0.9356</b>	<b>0.3981</b>	<b>5.9700e-003</b>		<b>0.0756</b>	<b>0.0756</b>		<b>0.0756</b>	<b>0.0756</b>		<b>1,194.3881</b>	<b>1,194.3881</b>	<b>0.0229</b>	<b>0.0219</b>	<b>1,201.4858</b>

**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	9.0781	2.5642	41.2032	0.1095		5.0415	5.0415		5.0415	5.0415	711.9274	2,518.2839	3,230.2112	3.3947	0.0458	3,328.7302
Unmitigated	9.0781	2.5642	41.2032	0.1095		5.0415	5.0415		5.0415	5.0415	711.9274	2,518.2839	3,230.2112	3.3947	0.0458	3,328.7302

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0461					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.4848	2.4398	30.4001	0.1090		4.9816	4.9816		4.9816	4.9816	711.9274	2,498.8235	3,210.7509	3.3760	0.0458	3,308.8030
Landscaping	0.3248	0.1245	10.8031	5.7000e-004		0.0599	0.0599		0.0599	0.0599		19.4604	19.4604	0.0187		19.9272
<b>Total</b>	<b>9.0781</b>	<b>2.5642</b>	<b>41.2032</b>	<b>0.1095</b>		<b>5.0415</b>	<b>5.0415</b>		<b>5.0415</b>	<b>5.0415</b>	<b>711.9274</b>	<b>2,518.2839</b>	<b>3,230.2112</b>	<b>3.3947</b>	<b>0.0458</b>	<b>3,328.7302</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0461					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3.4848	2.4398	30.4001	0.1090		4.9816	4.9816		4.9816	4.9816	711.9274	2,498.8235	3,210.7509	3.3760	0.0458	3,308.8030
Landscaping	0.3248	0.1245	10.8031	5.7000e-004		0.0599	0.0599		0.0599	0.0599		19.4604	19.4604	0.0187		19.9272
<b>Total</b>	<b>9.0781</b>	<b>2.5642</b>	<b>41.2032</b>	<b>0.1095</b>		<b>5.0415</b>	<b>5.0415</b>		<b>5.0415</b>	<b>5.0415</b>	<b>711.9274</b>	<b>2,518.2839</b>	<b>3,230.2112</b>	<b>3.3947</b>	<b>0.0458</b>	<b>3,328.7302</b>

**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 Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**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 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	131.00	Dwelling Unit	42.93	235,800.00	375

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	30
<b>Climate Zone</b>	10			<b>Operational Year</b>	2024
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	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 - VOCs per AQMD Rule
- Woodstoves - No wood burning hearths
- Area Coating - Arch Coating per MDAQMD's Rule

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

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tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	20
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	20
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	20
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	72.05	118.00
tblFireplaces	NumberNoFireplace	13.10	12.00
tblFireplaces	NumberWood	45.85	0.00
tblLandUse	LotAcreage	42.53	42.93
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	0.2538	2.5631	2.0460	4.2900e-003	0.6697	0.1147	0.7844	0.2966	0.1061	0.4027	0.0000	378.4298	378.4298	0.1025	4.3600e-003	382.2900
2023	0.2259	1.9485	2.2925	4.2800e-003	0.0615	0.0918	0.1533	0.0166	0.0864	0.1030	0.0000	374.0427	374.0427	0.0730	5.8300e-003	377.6071
2024	0.2129	1.8379	2.2882	4.2900e-003	0.0619	0.0812	0.1431	0.0167	0.0764	0.0931	0.0000	375.2356	375.2356	0.0731	5.6800e-003	378.7556
2025	0.8811	1.2336	1.7451	3.1600e-003	0.0403	0.0525	0.0928	0.0109	0.0492	0.0601	0.0000	277.1153	277.1153	0.0593	3.2200e-003	279.5556
<b>Maximum</b>	<b>0.8811</b>	<b>2.5631</b>	<b>2.2925</b>	<b>4.2900e-003</b>	<b>0.6697</b>	<b>0.1147</b>	<b>0.7844</b>	<b>0.2966</b>	<b>0.1061</b>	<b>0.4027</b>	<b>0.0000</b>	<b>378.4298</b>	<b>378.4298</b>	<b>0.1025</b>	<b>5.8300e-003</b>	<b>382.2900</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.2538	2.5631	2.0460	4.2900e-003	0.2744	0.1147	0.3891	0.1194	0.1061	0.2255	0.0000	378.4294	378.4294	0.1025	4.3600e-003	382.2896
2023	0.2259	1.9485	2.2924	4.2800e-003	0.0512	0.0918	0.1430	0.0141	0.0864	0.1005	0.0000	374.0423	374.0423	0.0730	5.8300e-003	377.6067
2024	0.2129	1.8379	2.2882	4.2900e-003	0.0516	0.0812	0.1328	0.0142	0.0764	0.0906	0.0000	375.2352	375.2352	0.0731	5.6800e-003	378.7553
2025	0.8811	1.2336	1.7451	3.1600e-003	0.0335	0.0525	0.0860	9.2100e-003	0.0492	0.0584	0.0000	277.1150	277.1150	0.0593	3.2200e-003	279.5553
<b>Maximum</b>	<b>0.8811</b>	<b>2.5631</b>	<b>2.2924</b>	<b>4.2900e-003</b>	<b>0.2744</b>	<b>0.1147</b>	<b>0.3891</b>	<b>0.1194</b>	<b>0.1061</b>	<b>0.2255</b>	<b>0.0000</b>	<b>378.4294</b>	<b>378.4294</b>	<b>0.1025</b>	<b>5.8300e-003</b>	<b>382.2896</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>50.72</b>	<b>0.00</b>	<b>36.02</b>	<b>53.98</b>	<b>0.00</b>	<b>27.92</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

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	1.0777	1.0777
3	11-2-2022	2-1-2023	0.5818	0.5818
4	2-2-2023	5-1-2023	0.5317	0.5317
5	5-2-2023	8-1-2023	0.5493	0.5493
6	8-2-2023	11-1-2023	0.5495	0.5495
7	11-2-2023	2-1-2024	0.5376	0.5376
8	2-2-2024	5-1-2024	0.5033	0.5033

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

9	5-2-2024	8-1-2024	0.5141	0.5141
10	8-2-2024	11-1-2024	0.5143	0.5143
11	11-2-2024	2-1-2025	0.5020	0.5020
12	2-2-2025	5-1-2025	0.4626	0.4626
13	5-2-2025	8-1-2025	0.4654	0.4654
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	1.1336	0.1112	2.2187	4.5200e-003		0.2096	0.2096		0.2096	0.2096	26.4798	94.5316	121.0114	0.1271	1.7000e-003	124.6965
Energy	0.0200	0.1708	0.0727	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	382.7815	382.7815	0.0194	5.5200e-003	384.9111
Mobile	0.6254	0.9930	6.0038	0.0126	1.3094	0.0112	1.3206	0.3496	0.0105	0.3601	0.0000	1,182.0213	1,182.0213	0.0684	0.0633	1,202.5928
Waste						0.0000	0.0000		0.0000	0.0000	31.2099	0.0000	31.2099	1.8445	0.0000	77.3211
Water						0.0000	0.0000		0.0000	0.0000	2.7078	30.3116	33.0194	0.2807	6.8800e-003	42.0857
<b>Total</b>	<b>1.7789</b>	<b>1.2749</b>	<b>8.2951</b>	<b>0.0182</b>	<b>1.3094</b>	<b>0.2346</b>	<b>1.5441</b>	<b>0.3496</b>	<b>0.2340</b>	<b>0.5835</b>	<b>60.3975</b>	<b>1,689.6459</b>	<b>1,750.0434</b>	<b>2.3401</b>	<b>0.0774</b>	<b>1,831.6073</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1.1336	0.1112	2.2187	4.5200e-003		0.2096	0.2096		0.2096	0.2096	26.4798	94.5316	121.0114	0.1271	1.7000e-003	124.6965
Energy	0.0200	0.1708	0.0727	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	382.7815	382.7815	0.0194	5.5200e-003	384.9111
Mobile	0.6254	0.9930	6.0038	0.0126	1.3094	0.0112	1.3206	0.3496	0.0105	0.3601	0.0000	1,182.0213	1,182.0213	0.0684	0.0633	1,202.5928
Waste						0.0000	0.0000		0.0000	0.0000	31.2099	0.0000	31.2099	1.8445	0.0000	77.3211
Water						0.0000	0.0000		0.0000	0.0000	2.7078	30.3116	33.0194	0.2807	6.8800e-003	42.0857
<b>Total</b>	<b>1.7789</b>	<b>1.2749</b>	<b>8.2951</b>	<b>0.0182</b>	<b>1.3094</b>	<b>0.2346</b>	<b>1.5441</b>	<b>0.3496</b>	<b>0.2340</b>	<b>0.5835</b>	<b>60.3975</b>	<b>1,689.6459</b>	<b>1,750.0434</b>	<b>2.3401</b>	<b>0.0774</b>	<b>1,831.6073</b>

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

**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: 477,495; Residential Outdoor: 159,165; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

**Trips and VMT**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	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	47.00	14.00	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	9.00	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
<b>Total</b>	<b>0.0476</b>	<b>0.4963</b>	<b>0.2955</b>	<b>5.7000e-004</b>	<b>0.2949</b>	<b>0.0242</b>	<b>0.3191</b>	<b>0.1515</b>	<b>0.0223</b>	<b>0.1738</b>	<b>0.0000</b>	<b>50.1591</b>	<b>50.1591</b>	<b>0.0162</b>	<b>0.0000</b>	<b>50.5647</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	7.1500e-003	2.0000e-005	2.1800e-003	1.0000e-005	2.1900e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7422	1.7422	6.0000e-005	6.0000e-005	1.7602
<b>Total</b>	<b>9.0000e-004</b>	<b>6.5000e-004</b>	<b>7.1500e-003</b>	<b>2.0000e-005</b>	<b>2.1800e-003</b>	<b>1.0000e-005</b>	<b>2.1900e-003</b>	<b>5.8000e-004</b>	<b>1.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>1.7422</b>	<b>1.7422</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>1.7602</b>

**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
<b>Total</b>	<b>0.0476</b>	<b>0.4963</b>	<b>0.2955</b>	<b>5.7000e-004</b>	<b>0.1150</b>	<b>0.0242</b>	<b>0.1392</b>	<b>0.0591</b>	<b>0.0223</b>	<b>0.0814</b>	<b>0.0000</b>	<b>50.1590</b>	<b>50.1590</b>	<b>0.0162</b>	<b>0.0000</b>	<b>50.5646</b>



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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	7.1500e-003	2.0000e-005	1.8000e-003	1.0000e-005	1.8100e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.7422	1.7422	6.0000e-005	6.0000e-005	1.7602
<b>Total</b>	<b>9.0000e-004</b>	<b>6.5000e-004</b>	<b>7.1500e-003</b>	<b>2.0000e-005</b>	<b>1.8000e-003</b>	<b>1.0000e-005</b>	<b>1.8100e-003</b>	<b>4.9000e-004</b>	<b>1.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.7422</b>	<b>1.7422</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>1.7602</b>

**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
<b>Total</b>	<b>0.1359</b>	<b>1.4566</b>	<b>1.0891</b>	<b>2.3300e-003</b>	<b>0.3451</b>	<b>0.0613</b>	<b>0.4064</b>	<b>0.1370</b>	<b>0.0564</b>	<b>0.1934</b>	<b>0.0000</b>	<b>204.5048</b>	<b>204.5048</b>	<b>0.0661</b>	<b>0.0000</b>	<b>206.1583</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	4.8394	4.8394	1.6000e-004	1.5000e-004	4.8894
<b>Total</b>	<b>3.3800e-003</b>	<b>0.0379</b>	<b>0.0288</b>	<b>2.2000e-004</b>	<b>0.0110</b>	<b>4.8000e-004</b>	<b>0.0115</b>	<b>2.9800e-003</b>	<b>4.6000e-004</b>	<b>3.4400e-003</b>	<b>0.0000</b>	<b>20.7886</b>	<b>20.7886</b>	<b>2.0000e-004</b>	<b>2.6600e-003</b>	<b>21.5867</b>

**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
<b>Total</b>	<b>0.1359</b>	<b>1.4566</b>	<b>1.0891</b>	<b>2.3300e-003</b>	<b>0.1346</b>	<b>0.0613</b>	<b>0.1959</b>	<b>0.0534</b>	<b>0.0564</b>	<b>0.1098</b>	<b>0.0000</b>	<b>204.5045</b>	<b>204.5045</b>	<b>0.0661</b>	<b>0.0000</b>	<b>206.1580</b>

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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	4.8394	4.8394	1.6000e-004	1.5000e-004	4.8894
<b>Total</b>	<b>3.3800e-003</b>	<b>0.0379</b>	<b>0.0288</b>	<b>2.2000e-004</b>	<b>9.2300e-003</b>	<b>4.8000e-004</b>	<b>9.7100e-003</b>	<b>2.5300e-003</b>	<b>4.6000e-004</b>	<b>3.0000e-003</b>	<b>0.0000</b>	<b>20.7886</b>	<b>20.7886</b>	<b>2.0000e-004</b>	<b>2.6600e-003</b>	<b>21.5867</b>

**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
<b>Total</b>	<b>0.0597</b>	<b>0.5466</b>	<b>0.5727</b>	<b>9.4000e-004</b>		<b>0.0283</b>	<b>0.0283</b>		<b>0.0266</b>	<b>0.0266</b>	<b>0.0000</b>	<b>81.1038</b>	<b>81.1038</b>	<b>0.0194</b>	<b>0.0000</b>	<b>81.5896</b>

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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	8.9000e-004	0.0211	9.2700e-003	1.0000e-004	3.2700e-003	2.8000e-004	3.5500e-003	9.5000e-004	2.7000e-004	1.2100e-003	0.0000	9.5169	9.5169	5.0000e-005	1.3000e-003	9.9065
Worker	5.4600e-003	3.9900e-003	0.0436	1.2000e-004	0.0133	7.0000e-005	0.0133	3.5300e-003	6.0000e-005	3.5900e-003	0.0000	10.6144	10.6144	3.6000e-004	3.4000e-004	10.7240
<b>Total</b>	<b>6.3500e-003</b>	<b>0.0251</b>	<b>0.0529</b>	<b>2.2000e-004</b>	<b>0.0165</b>	<b>3.5000e-004</b>	<b>0.0169</b>	<b>4.4800e-003</b>	<b>3.3000e-004</b>	<b>4.8000e-003</b>	<b>0.0000</b>	<b>20.1313</b>	<b>20.1313</b>	<b>4.1000e-004</b>	<b>1.6400e-003</b>	<b>20.6306</b>

**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
<b>Total</b>	<b>0.0597</b>	<b>0.5466</b>	<b>0.5727</b>	<b>9.4000e-004</b>		<b>0.0283</b>	<b>0.0283</b>		<b>0.0266</b>	<b>0.0266</b>	<b>0.0000</b>	<b>81.1037</b>	<b>81.1037</b>	<b>0.0194</b>	<b>0.0000</b>	<b>81.5895</b>

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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	8.9000e-004	0.0211	9.2700e-003	1.0000e-004	2.8100e-003	2.8000e-004	3.0900e-003	8.3000e-004	2.7000e-004	1.1000e-003	0.0000	9.5169	9.5169	5.0000e-005	1.3000e-003	9.9065
Worker	5.4600e-003	3.9900e-003	0.0436	1.2000e-004	0.0110	7.0000e-005	0.0110	2.9600e-003	6.0000e-005	3.0200e-003	0.0000	10.6144	10.6144	3.6000e-004	3.4000e-004	10.7240
<b>Total</b>	<b>6.3500e-003</b>	<b>0.0251</b>	<b>0.0529</b>	<b>2.2000e-004</b>	<b>0.0138</b>	<b>3.5000e-004</b>	<b>0.0141</b>	<b>3.7900e-003</b>	<b>3.3000e-004</b>	<b>4.1200e-003</b>	<b>0.0000</b>	<b>20.1313</b>	<b>20.1313</b>	<b>4.1000e-004</b>	<b>1.6400e-003</b>	<b>20.6306</b>

**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
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3462</b>	<b>301.3462</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1383</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6900e-003	0.0654	0.0323	3.6000e-004	0.0122	6.3000e-004	0.0128	3.5100e-003	6.0000e-004	4.1100e-003	0.0000	34.3129	34.3129	1.5000e-004	4.6800e-003	35.7106
Worker	0.0187	0.0131	0.1485	4.1000e-004	0.0493	2.4000e-004	0.0495	0.0131	2.2000e-004	0.0133	0.0000	38.3836	38.3836	1.2000e-003	1.1600e-003	38.7581
<b>Total</b>	<b>0.0214</b>	<b>0.0785</b>	<b>0.1807</b>	<b>7.7000e-004</b>	<b>0.0615</b>	<b>8.7000e-004</b>	<b>0.0623</b>	<b>0.0166</b>	<b>8.2000e-004</b>	<b>0.0174</b>	<b>0.0000</b>	<b>72.6965</b>	<b>72.6965</b>	<b>1.3500e-003</b>	<b>5.8400e-003</b>	<b>74.4687</b>

**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
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3458</b>	<b>301.3458</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1380</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6900e-003	0.0654	0.0323	3.6000e-004	0.0104	6.3000e-004	0.0111	3.0900e-003	6.0000e-004	3.6900e-003	0.0000	34.3129	34.3129	1.5000e-004	4.6800e-003	35.7106
Worker	0.0187	0.0131	0.1485	4.1000e-004	0.0408	2.4000e-004	0.0410	0.0110	2.2000e-004	0.0112	0.0000	38.3836	38.3836	1.2000e-003	1.1600e-003	38.7581
<b>Total</b>	<b>0.0214</b>	<b>0.0785</b>	<b>0.1807</b>	<b>7.7000e-004</b>	<b>0.0512</b>	<b>8.7000e-004</b>	<b>0.0521</b>	<b>0.0141</b>	<b>8.2000e-004</b>	<b>0.0149</b>	<b>0.0000</b>	<b>72.6965</b>	<b>72.6965</b>	<b>1.3500e-003</b>	<b>5.8400e-003</b>	<b>74.4687</b>

**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
<b>Total</b>	<b>0.1928</b>	<b>1.7611</b>	<b>2.1179</b>	<b>3.5300e-003</b>		<b>0.0803</b>	<b>0.0803</b>		<b>0.0756</b>	<b>0.0756</b>	<b>0.0000</b>	<b>303.7223</b>	<b>303.7223</b>	<b>0.0718</b>	<b>0.0000</b>	<b>305.5179</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6200e-003	0.0651	0.0314	3.5000e-004	0.0123	6.3000e-004	0.0129	3.5400e-003	6.0000e-004	4.1400e-003	0.0000	33.8240	33.8240	1.4000e-004	4.6000e-003	35.1998
Worker	0.0175	0.0117	0.1390	4.0000e-004	0.0497	2.3000e-004	0.0499	0.0132	2.1000e-004	0.0134	0.0000	37.6893	37.6893	1.0900e-003	1.0800e-003	38.0380
<b>Total</b>	<b>0.0201</b>	<b>0.0768</b>	<b>0.1704</b>	<b>7.5000e-004</b>	<b>0.0619</b>	<b>8.6000e-004</b>	<b>0.0628</b>	<b>0.0167</b>	<b>8.1000e-004</b>	<b>0.0175</b>	<b>0.0000</b>	<b>71.5133</b>	<b>71.5133</b>	<b>1.2300e-003</b>	<b>5.6800e-003</b>	<b>73.2378</b>

**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
<b>Total</b>	<b>0.1928</b>	<b>1.7611</b>	<b>2.1179</b>	<b>3.5300e-003</b>		<b>0.0803</b>	<b>0.0803</b>		<b>0.0756</b>	<b>0.0756</b>	<b>0.0000</b>	<b>303.7220</b>	<b>303.7220</b>	<b>0.0718</b>	<b>0.0000</b>	<b>305.5175</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6200e-003	0.0651	0.0314	3.5000e-004	0.0105	6.3000e-004	0.0112	3.1100e-003	6.0000e-004	3.7200e-003	0.0000	33.8240	33.8240	1.4000e-004	4.6000e-003	35.1998
Worker	0.0175	0.0117	0.1390	4.0000e-004	0.0411	2.3000e-004	0.0413	0.0111	2.1000e-004	0.0113	0.0000	37.6893	37.6893	1.0900e-003	1.0800e-003	38.0380
<b>Total</b>	<b>0.0201</b>	<b>0.0768</b>	<b>0.1704</b>	<b>7.5000e-004</b>	<b>0.0516</b>	<b>8.6000e-004</b>	<b>0.0525</b>	<b>0.0142</b>	<b>8.1000e-004</b>	<b>0.0150</b>	<b>0.0000</b>	<b>71.5133</b>	<b>71.5133</b>	<b>1.2300e-003</b>	<b>5.6800e-003</b>	<b>73.2378</b>

**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
<b>Total</b>	<b>0.1012</b>	<b>0.9228</b>	<b>1.1903</b>	<b>2.0000e-003</b>		<b>0.0390</b>	<b>0.0390</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>171.6204</b>	<b>171.6204</b>	<b>0.0403</b>	<b>0.0000</b>	<b>172.6290</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	1.4400e-003	0.0364	0.0173	2.0000e-004	6.9200e-003	3.6000e-004	7.2800e-003	2.0000e-003	3.4000e-004	2.3400e-003	0.0000	18.7139	18.7139	8.0000e-005	2.5400e-003	19.4732
Worker	9.1700e-003	5.8800e-003	0.0730	2.2000e-004	0.0281	1.2000e-004	0.0282	7.4500e-003	1.1000e-004	7.5600e-003	0.0000	20.7660	20.7660	5.6000e-004	5.7000e-004	20.9490
<b>Total</b>	<b>0.0106</b>	<b>0.0423</b>	<b>0.0903</b>	<b>4.2000e-004</b>	<b>0.0350</b>	<b>4.8000e-004</b>	<b>0.0355</b>	<b>9.4500e-003</b>	<b>4.5000e-004</b>	<b>9.9000e-003</b>	<b>0.0000</b>	<b>39.4799</b>	<b>39.4799</b>	<b>6.4000e-004</b>	<b>3.1100e-003</b>	<b>40.4222</b>

**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
<b>Total</b>	<b>0.1012</b>	<b>0.9228</b>	<b>1.1903</b>	<b>2.0000e-003</b>		<b>0.0390</b>	<b>0.0390</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>171.6202</b>	<b>171.6202</b>	<b>0.0403</b>	<b>0.0000</b>	<b>172.6288</b>

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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	1.4400e-003	0.0364	0.0173	2.0000e-004	5.9400e-003	3.6000e-004	6.3000e-003	1.7600e-003	3.4000e-004	2.1000e-003	0.0000	18.7139	18.7139	8.0000e-005	2.5400e-003	19.4732
Worker	9.1700e-003	5.8800e-003	0.0730	2.2000e-004	0.0232	1.2000e-004	0.0233	6.2600e-003	1.1000e-004	6.3700e-003	0.0000	20.7660	20.7660	5.6000e-004	5.7000e-004	20.9490
<b>Total</b>	<b>0.0106</b>	<b>0.0423</b>	<b>0.0903</b>	<b>4.2000e-004</b>	<b>0.0291</b>	<b>4.8000e-004</b>	<b>0.0296</b>	<b>8.0200e-003</b>	<b>4.5000e-004</b>	<b>8.4700e-003</b>	<b>0.0000</b>	<b>39.4799</b>	<b>39.4799</b>	<b>6.4000e-004</b>	<b>3.1100e-003</b>	<b>40.4222</b>

**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
<b>Total</b>	<b>0.0252</b>	<b>0.2360</b>	<b>0.4009</b>	<b>6.3000e-004</b>		<b>0.0115</b>	<b>0.0115</b>		<b>0.0106</b>	<b>0.0106</b>	<b>0.0000</b>	<b>55.0530</b>	<b>55.0530</b>	<b>0.0178</b>	<b>0.0000</b>	<b>55.4981</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	8.6600e-003	3.0000e-005	3.3300e-003	1.0000e-005	3.3400e-003	8.8000e-004	1.0000e-005	9.0000e-004	0.0000	2.4629	2.4629	7.0000e-005	7.0000e-005	2.4846
<b>Total</b>	<b>1.0900e-003</b>	<b>7.0000e-004</b>	<b>8.6600e-003</b>	<b>3.0000e-005</b>	<b>3.3300e-003</b>	<b>1.0000e-005</b>	<b>3.3400e-003</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>2.4629</b>	<b>2.4629</b>	<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>2.4846</b>

**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
<b>Total</b>	<b>0.0252</b>	<b>0.2360</b>	<b>0.4009</b>	<b>6.3000e-004</b>		<b>0.0115</b>	<b>0.0115</b>		<b>0.0106</b>	<b>0.0106</b>	<b>0.0000</b>	<b>55.0529</b>	<b>55.0529</b>	<b>0.0178</b>	<b>0.0000</b>	<b>55.4980</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	8.6600e-003	3.0000e-005	2.7500e-003	1.0000e-005	2.7700e-003	7.4000e-004	1.0000e-005	7.6000e-004	0.0000	2.4629	2.4629	7.0000e-005	7.0000e-005	2.4846
<b>Total</b>	<b>1.0900e-003</b>	<b>7.0000e-004</b>	<b>8.6600e-003</b>	<b>3.0000e-005</b>	<b>2.7500e-003</b>	<b>1.0000e-005</b>	<b>2.7700e-003</b>	<b>7.4000e-004</b>	<b>1.0000e-005</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>2.4629</b>	<b>2.4629</b>	<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>2.4846</b>

**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	0.7377					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
<b>Total</b>	<b>0.7424</b>	<b>0.0315</b>	<b>0.0498</b>	<b>8.0000e-005</b>		<b>1.4200e-003</b>	<b>1.4200e-003</b>		<b>1.4200e-003</b>	<b>1.4200e-003</b>	<b>0.0000</b>	<b>7.0215</b>	<b>7.0215</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>7.0310</b>

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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	6.5000e-004	4.2000e-004	5.2000e-003	2.0000e-005	2.0000e-003	1.0000e-005	2.0100e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.4777	1.4777	4.0000e-005	4.0000e-005	1.4908
<b>Total</b>	<b>6.5000e-004</b>	<b>4.2000e-004</b>	<b>5.2000e-003</b>	<b>2.0000e-005</b>	<b>2.0000e-003</b>	<b>1.0000e-005</b>	<b>2.0100e-003</b>	<b>5.3000e-004</b>	<b>1.0000e-005</b>	<b>5.4000e-004</b>	<b>0.0000</b>	<b>1.4777</b>	<b>1.4777</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.4908</b>

**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	0.7377					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
<b>Total</b>	<b>0.7424</b>	<b>0.0315</b>	<b>0.0498</b>	<b>8.0000e-005</b>		<b>1.4200e-003</b>	<b>1.4200e-003</b>		<b>1.4200e-003</b>	<b>1.4200e-003</b>	<b>0.0000</b>	<b>7.0214</b>	<b>7.0214</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>7.0310</b>

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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	6.5000e-004	4.2000e-004	5.2000e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.5000e-004	1.0000e-005	4.5000e-004	0.0000	1.4777	1.4777	4.0000e-005	4.0000e-005	1.4908	
<b>Total</b>	<b>6.5000e-004</b>	<b>4.2000e-004</b>	<b>5.2000e-003</b>	<b>2.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.5000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4777</b>	<b>1.4777</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.4908</b>	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6254	0.9930	6.0038	0.0126	1.3094	0.0112	1.3206	0.3496	0.0105	0.3601	0.0000	1,182.0213	1,182.0213	0.0684	0.0633	1,202.5928
Unmitigated	0.6254	0.9930	6.0038	0.0126	1.3094	0.0112	1.3206	0.3496	0.0105	0.3601	0.0000	1,182.0213	1,182.0213	0.0684	0.0633	1,202.5928

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,236.64	1,249.74	1120.05	3,470,217	3,470,217
Total	1,236.64	1,249.74	1,120.05	3,470,217	3,470,217

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	10.80	7.30	7.50	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.530590	0.056931	0.174803	0.137616	0.029294	0.007692	0.006155	0.022126	0.000483	0.000158	0.027801	0.000928	0.005423



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	185.0371	185.0371	0.0156	1.8900e-003	185.9917
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	185.0371	185.0371	0.0156	1.8900e-003	185.9917
NaturalGas Mitigated	0.0200	0.1708	0.0727	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	197.7444	197.7444	3.7900e-003	3.6300e-003	198.9194
NaturalGas Unmitigated	0.0200	0.1708	0.0727	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	197.7444	197.7444	3.7900e-003	3.6300e-003	198.9194

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	3.70559e+006	0.0200	0.1708	0.0727	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	197.7444	197.7444	3.7900e-003	3.6300e-003	198.9194
<b>Total</b>		<b>0.0200</b>	<b>0.1708</b>	<b>0.0727</b>	<b>1.0900e-003</b>		<b>0.0138</b>	<b>0.0138</b>		<b>0.0138</b>	<b>0.0138</b>	<b>0.0000</b>	<b>197.7444</b>	<b>197.7444</b>	<b>3.7900e-003</b>	<b>3.6300e-003</b>	<b>198.9194</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	3.70559e+006	0.0200	0.1708	0.0727	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	197.7444	197.7444	3.7900e-003	3.6300e-003	198.9194
<b>Total</b>		<b>0.0200</b>	<b>0.1708</b>	<b>0.0727</b>	<b>1.0900e-003</b>		<b>0.0138</b>	<b>0.0138</b>		<b>0.0138</b>	<b>0.0138</b>	<b>0.0000</b>	<b>197.7444</b>	<b>197.7444</b>	<b>3.7900e-003</b>	<b>3.6300e-003</b>	<b>198.9194</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	1.04337e+006	185.0371	0.0156	1.8900e-003	185.9917
<b>Total</b>		<b>185.0371</b>	<b>0.0156</b>	<b>1.8900e-003</b>	<b>185.9917</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	1.04337e+006	185.0371	0.0156	1.8900e-003	185.9917
<b>Total</b>		<b>185.0371</b>	<b>0.0156</b>	<b>1.8900e-003</b>	<b>185.9917</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1.1336	0.1112	2.2187	4.5200e-003		0.2096	0.2096		0.2096	0.2096	26.4798	94.5316	121.0114	0.1271	1.7000e-003	124.6965
Unmitigated	1.1336	0.1112	2.2187	4.5200e-003		0.2096	0.2096		0.2096	0.2096	26.4798	94.5316	121.0114	0.1271	1.7000e-003	124.6965

**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	0.0406					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9209					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1429	0.1000	1.2464	4.4700e-003		0.2043	0.2043		0.2043	0.2043	26.4798	92.9427	119.4225	0.1256	1.7000e-003	123.0695
Landscaping	0.0292	0.0112	0.9723	5.0000e-005		5.3900e-003	5.3900e-003		5.3900e-003	5.3900e-003	0.0000	1.5889	1.5889	1.5200e-003	0.0000	1.6270
<b>Total</b>	<b>1.1336</b>	<b>0.1112</b>	<b>2.2187</b>	<b>4.5200e-003</b>		<b>0.2096</b>	<b>0.2096</b>		<b>0.2096</b>	<b>0.2096</b>	<b>26.4798</b>	<b>94.5316</b>	<b>121.0114</b>	<b>0.1271</b>	<b>1.7000e-003</b>	<b>124.6965</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0406					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9209					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1429	0.1000	1.2464	4.4700e-003		0.2043	0.2043		0.2043	0.2043	26.4798	92.9427	119.4225	0.1256	1.7000e-003	123.0695
Landscaping	0.0292	0.0112	0.9723	5.0000e-005		5.3900e-003	5.3900e-003		5.3900e-003	5.3900e-003	0.0000	1.5889	1.5889	1.5200e-003	0.0000	1.6270
<b>Total</b>	<b>1.1336</b>	<b>0.1112</b>	<b>2.2187</b>	<b>4.5200e-003</b>		<b>0.2096</b>	<b>0.2096</b>		<b>0.2096</b>	<b>0.2096</b>	<b>26.4798</b>	<b>94.5316</b>	<b>121.0114</b>	<b>0.1271</b>	<b>1.7000e-003</b>	<b>124.6965</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	33.0194	0.2807	6.8800e-003	42.0857
Unmitigated	33.0194	0.2807	6.8800e-003	42.0857

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	8.53518 / 5.38087	33.0194	0.2807	6.8800e-003	42.0857
<b>Total</b>		<b>33.0194</b>	<b>0.2807</b>	<b>6.8800e-003</b>	<b>42.0857</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	8.53518 / 5.38087	33.0194	0.2807	6.8800e-003	42.0857
<b>Total</b>		<b>33.0194</b>	<b>0.2807</b>	<b>6.8800e-003</b>	<b>42.0857</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	31.2099	1.8445	0.0000	77.3211
Unmitigated	31.2099	1.8445	0.0000	77.3211

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	153.75	31.2099	1.8445	0.0000	77.3211
<b>Total</b>		<b>31.2099</b>	<b>1.8445</b>	<b>0.0000</b>	<b>77.3211</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	153.75	31.2099	1.8445	0.0000	77.3211
<b>Total</b>		<b>31.2099</b>	<b>1.8445</b>	<b>0.0000</b>	<b>77.3211</b>

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

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**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 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 20484 - Victorville 131**

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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 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 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 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	0.18	0.15
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.17	0.05	0.15	0.04	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**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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

**Operational Mobile Mitigation**

Project Setting:

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



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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

**Area Mitigation**

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	20.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	250.00
No	Use Low VOC Paint (Non-residential Exterior)	250.00
No	Use Low VOC Paint (Parking)	250.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

**Energy Mitigation Measures**

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

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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 Applied**

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