

Elite Truck Repair Project - Sacramento Metropolitan AQMD Air District, Annual

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

**Elite Truck Repair Project  
Sacramento Metropolitan AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	20.85	1000sqft	0.48	20,850.00	0
Parking Lot	170.00	1000sqft	3.90	170,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2024
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<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 - Assumed operational in 2024

Land Use - 20,850 sq ft building with associated car parking and truck parking. Remaining lot acreage is vegetated for bio retention

Construction Phase - Total days representative of project size

Off-road Equipment - Number suitable for site construction phases

Off-road Equipment - Number suitable for phase

Off-road Equipment - Number suitable for phase

Off-road Equipment - Number suitable for phase

Off-road Equipment -

Grading - graded area

Architectural Coating - low VOC paint

Area Coating - Low voc paint

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Construction Off-road Equipment Mitigation - water exposed soil during construction.

Mobile Land Use Mitigation -

Area Mitigation - low voc paint

Energy Mitigation - install photovoltaic

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblAreaCoating	Area_EF_Residential_Exterior	100	50
tblAreaCoating	Area_EF_Residential_Interior	100	50
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstructionPhase	NumDays	18.00	9.00
tblConstructionPhase	NumDays	230.00	200.00
tblConstructionPhase	NumDays	18.00	13.00
tblConstructionPhase	PhaseEndDate	5/23/2024	3/22/2024
tblConstructionPhase	PhaseEndDate	4/3/2024	2/21/2024
tblConstructionPhase	PhaseEndDate	4/29/2024	3/11/2024
tblConstructionPhase	PhaseStartDate	4/30/2024	3/12/2024
tblConstructionPhase	PhaseStartDate	4/4/2024	2/22/2024
tblGrading	AcresOfGrading	2.50	7.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00

**2.0 Emissions Summary**

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

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1304	1.1221	1.2247	2.7400e-003	0.1101	0.0464	0.1565	0.0394	0.0439	0.0833	0.0000	243.1588	243.1588	0.0376	7.9400e-003	246.4629
2024	0.0972	0.2713	0.3358	7.2000e-004	0.0158	0.0109	0.0266	4.2700e-003	0.0103	0.0146	0.0000	63.2548	63.2548	0.0103	1.8400e-003	64.0601
<b>Maximum</b>	<b>0.1304</b>	<b>1.1221</b>	<b>1.2247</b>	<b>2.7400e-003</b>	<b>0.1101</b>	<b>0.0464</b>	<b>0.1565</b>	<b>0.0394</b>	<b>0.0439</b>	<b>0.0833</b>	<b>0.0000</b>	<b>243.1588</b>	<b>243.1588</b>	<b>0.0376</b>	<b>7.9400e-003</b>	<b>246.4629</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1098	1.0071	1.0887	2.5400e-003	0.0812	0.0419	0.1232	0.0258	0.0394	0.0652	0.0000	227.9128	227.9128	0.0359	7.9400e-003	231.1753
2024	0.0927	0.2451	0.3042	6.7000e-004	0.0158	9.9700e-003	0.0257	4.2700e-003	9.3700e-003	0.0137	0.0000	59.6785	59.6785	9.9300e-003	1.8400e-003	60.4747
<b>Maximum</b>	<b>0.1098</b>	<b>1.0071</b>	<b>1.0887</b>	<b>2.5400e-003</b>	<b>0.0812</b>	<b>0.0419</b>	<b>0.1232</b>	<b>0.0258</b>	<b>0.0394</b>	<b>0.0652</b>	<b>0.0000</b>	<b>227.9128</b>	<b>227.9128</b>	<b>0.0359</b>	<b>7.9400e-003</b>	<b>231.1753</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	11.02	10.14	10.74	7.23	22.95	9.36	18.70	31.27	9.93	19.44	0.00	6.14	6.14	4.24	0.00	6.08

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-3-2023	7-2-2023	0.3349	0.3074
2	7-3-2023	10-2-2023	0.4677	0.4127
3	10-3-2023	1-2-2024	0.4705	0.4155
4	1-3-2024	4-2-2024	0.3478	0.3189
		Highest	0.4705	0.4155

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0987	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7400e-003	4.7400e-003	1.0000e-005	0.0000	5.0500e-003
Energy	4.0000e-003	0.0364	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	99.4119	99.4119	6.2700e-003	1.3900e-003	99.9842
Mobile	0.0477	0.0637	0.4472	9.4000e-004	0.0971	7.5000e-004	0.0978	0.0260	7.0000e-004	0.0267	0.0000	87.0757	87.0757	5.9100e-003	4.3200e-003	88.5123
Waste						0.0000	0.0000		0.0000	0.0000	5.2473	0.0000	5.2473	0.3101	0.0000	13.0000
Water						0.0000	0.0000		0.0000	0.0000	1.7059	3.9009	5.6068	6.2300e-003	3.7500e-003	6.8811
<b>Total</b>	<b>0.1503</b>	<b>0.1000</b>	<b>0.4802</b>	<b>1.1600e-003</b>	<b>0.0971</b>	<b>3.5200e-003</b>	<b>0.1006</b>	<b>0.0260</b>	<b>3.4700e-003</b>	<b>0.0294</b>	<b>6.9532</b>	<b>190.3933</b>	<b>197.3465</b>	<b>0.3285</b>	<b>9.4600e-003</b>	<b>208.3826</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0987	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7400e-003	4.7400e-003	1.0000e-005	0.0000	5.0500e-003
Energy	4.0000e-003	0.0364	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	69.4942	69.4942	3.5200e-003	1.0600e-003	69.8979
Mobile	0.0477	0.0637	0.4472	9.4000e-004	0.0971	7.5000e-004	0.0978	0.0260	7.0000e-004	0.0267	0.0000	87.0757	87.0757	5.9100e-003	4.3200e-003	88.5123
Waste						0.0000	0.0000		0.0000	0.0000	5.2473	0.0000	5.2473	0.3101	0.0000	13.0000
Water						0.0000	0.0000		0.0000	0.0000	1.7059	3.9009	5.6068	6.2300e-003	3.7500e-003	6.8811
<b>Total</b>	<b>0.1503</b>	<b>0.1000</b>	<b>0.4802</b>	<b>1.1600e-003</b>	<b>0.0971</b>	<b>3.5200e-003</b>	<b>0.1006</b>	<b>0.0260</b>	<b>3.4700e-003</b>	<b>0.0294</b>	<b>6.9532</b>	<b>160.4756</b>	<b>167.4288</b>	<b>0.3258</b>	<b>9.1300e-003</b>	<b>178.2964</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>15.71</b>	<b>15.16</b>	<b>0.84</b>	<b>3.49</b>	<b>14.44</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	4/29/2023	5/5/2023	5	5	
2	Grading	Grading	5/6/2023	5/17/2023	5	8	
3	Building Construction	Building Construction	5/18/2023	2/21/2024	5	200	

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4	Paving	Paving	2/22/2024	3/11/2024	5	13
5	Architectural Coating	Architectural Coating	3/12/2024	3/22/2024	5	9

**Acres of Grading (Site Preparation Phase): 7.5**

**Acres of Grading (Grading Phase): 8**

**Acres of Paving: 3.9**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 31,275; Non-Residential Outdoor: 10,425; Striped Parking Area: 10,200 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	1	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	6.00	132	0.36
Paving	Rollers	1	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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**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	2	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	80.00	31.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Alternative Fuel for Construction Equipment

Water Exposed Area

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0190	0.0000	0.0190	8.7000e-003	0.0000	8.7000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0900e-003	0.0217	0.0133	3.0000e-005		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	2.5596	2.5596	8.3000e-004	0.0000	2.5803
<b>Total</b>	<b>2.0900e-003</b>	<b>0.0217</b>	<b>0.0133</b>	<b>3.0000e-005</b>	<b>0.0190</b>	<b>9.9000e-004</b>	<b>0.0200</b>	<b>8.7000e-003</b>	<b>9.1000e-004</b>	<b>9.6100e-003</b>	<b>0.0000</b>	<b>2.5596</b>	<b>2.5596</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>2.5803</b>

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**3.2 Site Preparation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.9000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0727	0.0727	0.0000	0.0000	0.0734
<b>Total</b>	<b>4.0000e-005</b>	<b>2.0000e-005</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0727</b>	<b>0.0727</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0734</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					7.4200e-003	0.0000	7.4200e-003	3.3900e-003	0.0000	3.3900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0900e-003	0.0217	0.0133	3.0000e-005		9.9000e-004	9.9000e-004		9.1000e-004	9.1000e-004	0.0000	2.5596	2.5596	8.3000e-004	0.0000	2.5803
<b>Total</b>	<b>2.0900e-003</b>	<b>0.0217</b>	<b>0.0133</b>	<b>3.0000e-005</b>	<b>7.4200e-003</b>	<b>9.9000e-004</b>	<b>8.4100e-003</b>	<b>3.3900e-003</b>	<b>9.1000e-004</b>	<b>4.3000e-003</b>	<b>0.0000</b>	<b>2.5596</b>	<b>2.5596</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>2.5803</b>

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**3.2 Site Preparation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.9000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0727	0.0727	0.0000	0.0000	0.0734
<b>Total</b>	<b>4.0000e-005</b>	<b>2.0000e-005</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0727</b>	<b>0.0727</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0734</b>

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0283	0.0000	0.0283	0.0137	0.0000	0.0137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2400e-003	0.0656	0.0501	1.1000e-004		2.8000e-003	2.8000e-003		2.5700e-003	2.5700e-003	0.0000	9.3299	9.3299	3.0200e-003	0.0000	9.4053
<b>Total</b>	<b>6.2400e-003</b>	<b>0.0656</b>	<b>0.0501</b>	<b>1.1000e-004</b>	<b>0.0283</b>	<b>2.8000e-003</b>	<b>0.0311</b>	<b>0.0137</b>	<b>2.5700e-003</b>	<b>0.0163</b>	<b>0.0000</b>	<b>9.3299</b>	<b>9.3299</b>	<b>3.0200e-003</b>	<b>0.0000</b>	<b>9.4053</b>

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**3.3 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	9.0000e-005	1.2100e-003	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3026	0.3026	1.0000e-005	1.0000e-005	0.3054
<b>Total</b>	<b>1.5000e-004</b>	<b>9.0000e-005</b>	<b>1.2100e-003</b>	<b>0.0000</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>3.8000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.3026</b>	<b>0.3026</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3054</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					0.0111	0.0000	0.0111	5.3400e-003	0.0000	5.3400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2400e-003	0.0656	0.0501	1.1000e-004		2.8000e-003	2.8000e-003		2.5700e-003	2.5700e-003	0.0000	9.3299	9.3299	3.0200e-003	0.0000	9.4053
<b>Total</b>	<b>6.2400e-003</b>	<b>0.0656</b>	<b>0.0501</b>	<b>1.1000e-004</b>	<b>0.0111</b>	<b>2.8000e-003</b>	<b>0.0139</b>	<b>5.3400e-003</b>	<b>2.5700e-003</b>	<b>7.9100e-003</b>	<b>0.0000</b>	<b>9.3299</b>	<b>9.3299</b>	<b>3.0200e-003</b>	<b>0.0000</b>	<b>9.4053</b>

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

**3.3 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	9.0000e-005	1.2100e-003	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3026	0.3026	1.0000e-005	1.0000e-005	0.3054
<b>Total</b>	<b>1.5000e-004</b>	<b>9.0000e-005</b>	<b>1.2100e-003</b>	<b>0.0000</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>3.8000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.3026</b>	<b>0.3026</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3054</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	0.1001	0.9009	0.9722	1.7100e-003		0.0417	0.0417		0.0396	0.0396	0.0000	146.6163	146.6163	0.0314	0.0000	147.4002
<b>Total</b>	<b>0.1001</b>	<b>0.9009</b>	<b>0.9722</b>	<b>1.7100e-003</b>		<b>0.0417</b>	<b>0.0417</b>		<b>0.0396</b>	<b>0.0396</b>	<b>0.0000</b>	<b>146.6163</b>	<b>146.6163</b>	<b>0.0314</b>	<b>0.0000</b>	<b>147.4002</b>

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

**3.4 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2700e-003	0.1224	0.0369	4.8000e-004	0.0147	6.5000e-004	0.0154	4.2500e-003	6.2000e-004	4.8700e-003	0.0000	46.5713	46.5713	1.1500e-003	6.8300e-003	48.6364
Worker	0.0186	0.0115	0.1507	4.1000e-004	0.0476	2.5000e-004	0.0478	0.0127	2.3000e-004	0.0129	0.0000	37.7064	37.7064	1.2100e-003	1.0900e-003	38.0618
<b>Total</b>	<b>0.0219</b>	<b>0.1339</b>	<b>0.1876</b>	<b>8.9000e-004</b>	<b>0.0623</b>	<b>9.0000e-004</b>	<b>0.0632</b>	<b>0.0169</b>	<b>8.5000e-004</b>	<b>0.0178</b>	<b>0.0000</b>	<b>84.2777</b>	<b>84.2777</b>	<b>2.3600e-003</b>	<b>7.9200e-003</b>	<b>86.6982</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	0.0794	0.7858	0.8363	1.5100e-003		0.0372	0.0372		0.0351	0.0351	0.0000	131.3703	131.3703	0.0297	0.0000	132.1126
<b>Total</b>	<b>0.0794</b>	<b>0.7858</b>	<b>0.8363</b>	<b>1.5100e-003</b>		<b>0.0372</b>	<b>0.0372</b>		<b>0.0351</b>	<b>0.0351</b>	<b>0.0000</b>	<b>131.3703</b>	<b>131.3703</b>	<b>0.0297</b>	<b>0.0000</b>	<b>132.1126</b>

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

**3.4 Building Construction - 2023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2700e-003	0.1224	0.0369	4.8000e-004	0.0147	6.5000e-004	0.0154	4.2500e-003	6.2000e-004	4.8700e-003	0.0000	46.5713	46.5713	1.1500e-003	6.8300e-003	48.6364
Worker	0.0186	0.0115	0.1507	4.1000e-004	0.0476	2.5000e-004	0.0478	0.0127	2.3000e-004	0.0129	0.0000	37.7064	37.7064	1.2100e-003	1.0900e-003	38.0618
<b>Total</b>	<b>0.0219</b>	<b>0.1339</b>	<b>0.1876</b>	<b>8.9000e-004</b>	<b>0.0623</b>	<b>9.0000e-004</b>	<b>0.0632</b>	<b>0.0169</b>	<b>8.5000e-004</b>	<b>0.0178</b>	<b>0.0000</b>	<b>84.2777</b>	<b>84.2777</b>	<b>2.3600e-003</b>	<b>7.9200e-003</b>	<b>86.6982</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	0.0220	0.1978	0.2267	4.0000e-004		8.6100e-003	8.6100e-003		8.1600e-003	8.1600e-003	0.0000	34.3970	34.3970	7.2900e-003	0.0000	34.5794
<b>Total</b>	<b>0.0220</b>	<b>0.1978</b>	<b>0.2267</b>	<b>4.0000e-004</b>		<b>8.6100e-003</b>	<b>8.6100e-003</b>		<b>8.1600e-003</b>	<b>8.1600e-003</b>	<b>0.0000</b>	<b>34.3970</b>	<b>34.3970</b>	<b>7.2900e-003</b>	<b>0.0000</b>	<b>34.5794</b>

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

**3.4 Building Construction - 2024**

**Unmitigated Construction 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	7.3000e-004	0.0281	8.3900e-003	1.1000e-004	3.4500e-003	1.5000e-004	3.6000e-003	1.0000e-003	1.4000e-004	1.1400e-003	0.0000	10.7167	10.7167	2.6000e-004	1.5800e-003	11.1929
Worker	4.0700e-003	2.4000e-003	0.0328	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9700e-003	5.0000e-005	3.0200e-003	0.0000	8.5559	8.5559	2.6000e-004	2.4000e-004	8.6332
<b>Total</b>	<b>4.8000e-003</b>	<b>0.0305</b>	<b>0.0412</b>	<b>2.0000e-004</b>	<b>0.0146</b>	<b>2.1000e-004</b>	<b>0.0148</b>	<b>3.9700e-003</b>	<b>1.9000e-004</b>	<b>4.1600e-003</b>	<b>0.0000</b>	<b>19.2726</b>	<b>19.2726</b>	<b>5.2000e-004</b>	<b>1.8200e-003</b>	<b>19.8261</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	0.0175	0.1716	0.1951	3.5000e-004		7.7100e-003	7.7100e-003		7.2600e-003	7.2600e-003	0.0000	30.8208	30.8208	6.9300e-003	0.0000	30.9940
<b>Total</b>	<b>0.0175</b>	<b>0.1716</b>	<b>0.1951</b>	<b>3.5000e-004</b>		<b>7.7100e-003</b>	<b>7.7100e-003</b>		<b>7.2600e-003</b>	<b>7.2600e-003</b>	<b>0.0000</b>	<b>30.8208</b>	<b>30.8208</b>	<b>6.9300e-003</b>	<b>0.0000</b>	<b>30.9940</b>

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

**3.4 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3000e-004	0.0281	8.3900e-003	1.1000e-004	3.4500e-003	1.5000e-004	3.6000e-003	1.0000e-003	1.4000e-004	1.1400e-003	0.0000	10.7167	10.7167	2.6000e-004	1.5800e-003	11.1929
Worker	4.0700e-003	2.4000e-003	0.0328	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9700e-003	5.0000e-005	3.0200e-003	0.0000	8.5559	8.5559	2.6000e-004	2.4000e-004	8.6332
<b>Total</b>	<b>4.8000e-003</b>	<b>0.0305</b>	<b>0.0412</b>	<b>2.0000e-004</b>	<b>0.0146</b>	<b>2.1000e-004</b>	<b>0.0148</b>	<b>3.9700e-003</b>	<b>1.9000e-004</b>	<b>4.1600e-003</b>	<b>0.0000</b>	<b>19.2726</b>	<b>19.2726</b>	<b>5.2000e-004</b>	<b>1.8200e-003</b>	<b>19.8261</b>

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.9300e-003	0.0373	0.0564	9.0000e-005		1.7800e-003	1.7800e-003		1.6400e-003	1.6400e-003	0.0000	7.5553	7.5553	2.3900e-003	0.0000	7.6152
Paving	5.1100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>9.0400e-003</b>	<b>0.0373</b>	<b>0.0564</b>	<b>9.0000e-005</b>		<b>1.7800e-003</b>	<b>1.7800e-003</b>		<b>1.6400e-003</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>7.5553</b>	<b>7.5553</b>	<b>2.3900e-003</b>	<b>0.0000</b>	<b>7.6152</b>

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

**3.5 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.3000e-004	1.8300e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4756	0.4756	1.0000e-005	1.0000e-005	0.4799
<b>Total</b>	<b>2.3000e-004</b>	<b>1.3000e-004</b>	<b>1.8300e-003</b>	<b>1.0000e-005</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>6.2000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.4756</b>	<b>0.4756</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4799</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	3.9300e-003	0.0373	0.0564	9.0000e-005		1.7800e-003	1.7800e-003		1.6400e-003	1.6400e-003	0.0000	7.5553	7.5553	2.3900e-003	0.0000	7.6152
Paving	5.1100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>9.0400e-003</b>	<b>0.0373</b>	<b>0.0564</b>	<b>9.0000e-005</b>		<b>1.7800e-003</b>	<b>1.7800e-003</b>		<b>1.6400e-003</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>7.5553</b>	<b>7.5553</b>	<b>2.3900e-003</b>	<b>0.0000</b>	<b>7.6152</b>

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

**3.5 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.3000e-004	1.8300e-003	1.0000e-005	6.2000e-004	0.0000	6.2000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4756	0.4756	1.0000e-005	1.0000e-005	0.4799
<b>Total</b>	<b>2.3000e-004</b>	<b>1.3000e-004</b>	<b>1.8300e-003</b>	<b>1.0000e-005</b>	<b>6.2000e-004</b>	<b>0.0000</b>	<b>6.2000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.4756</b>	<b>0.4756</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4799</b>

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0601					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1000e-004	5.4800e-003	8.1500e-003	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	1.1490	1.1490	6.0000e-005	0.0000	1.1506
<b>Total</b>	<b>0.0610</b>	<b>5.4800e-003</b>	<b>8.1500e-003</b>	<b>1.0000e-005</b>		<b>2.7000e-004</b>	<b>2.7000e-004</b>		<b>2.7000e-004</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>1.1490</b>	<b>1.1490</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.1506</b>

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

**3.6 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.1000e-004	1.5600e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4053	0.4053	1.0000e-005	1.0000e-005	0.4089
<b>Total</b>	<b>1.9000e-004</b>	<b>1.1000e-004</b>	<b>1.5600e-003</b>	<b>0.0000</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>5.3000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.4053</b>	<b>0.4053</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4089</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	0.0601					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1000e-004	5.4800e-003	8.1500e-003	1.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	1.1490	1.1490	6.0000e-005	0.0000	1.1506
<b>Total</b>	<b>0.0610</b>	<b>5.4800e-003</b>	<b>8.1500e-003</b>	<b>1.0000e-005</b>		<b>2.7000e-004</b>	<b>2.7000e-004</b>		<b>2.7000e-004</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>1.1490</b>	<b>1.1490</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.1506</b>

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

**3.6 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.1000e-004	1.5600e-003	0.0000	5.3000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4053	0.4053	1.0000e-005	1.0000e-005	0.4089
<b>Total</b>	<b>1.9000e-004</b>	<b>1.1000e-004</b>	<b>1.5600e-003</b>	<b>0.0000</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>5.3000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.4053</b>	<b>0.4053</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4089</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0477	0.0637	0.4472	9.4000e-004	0.0971	7.5000e-004	0.0978	0.0260	7.0000e-004	0.0267	0.0000	87.0757	87.0757	5.9100e-003	4.3200e-003	88.5123
Unmitigated	0.0477	0.0637	0.4472	9.4000e-004	0.0971	7.5000e-004	0.0978	0.0260	7.0000e-004	0.0267	0.0000	87.0757	87.0757	5.9100e-003	4.3200e-003	88.5123

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	103.42	41.49	104.25	261,885	261,885
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>103.42</b>	<b>41.49</b>	<b>104.25</b>	<b>261,885</b>	<b>261,885</b>

**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
General Light Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351
Parking Lot	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351

**5.0 Energy Detail**

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

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Percent of Electricity Use Generated with Renewable 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	29.9177	29.9177	2.7600e-003	3.3000e-004	30.0863
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	59.8354	59.8354	5.5200e-003	6.7000e-004	60.1726
Natural Gas Mitigated	4.0000e-003	0.0364	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.5764	39.5764	7.6000e-004	7.3000e-004	39.8116
Natural Gas Unmitigated	4.0000e-003	0.0364	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.5764	39.5764	7.6000e-004	7.3000e-004	39.8116

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	741635	4.0000e-003	0.0364	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.5764	39.5764	7.6000e-004	7.3000e-004	39.8116
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.0000e-003</b>	<b>0.0364</b>	<b>0.0305</b>	<b>2.2000e-004</b>		<b>2.7600e-003</b>	<b>2.7600e-003</b>		<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>39.5764</b>	<b>39.5764</b>	<b>7.6000e-004</b>	<b>7.3000e-004</b>	<b>39.8116</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					
General Light Industry	741635	4.0000e-003	0.0364	0.0305	2.2000e-004		2.7600e-003	2.7600e-003		2.7600e-003	2.7600e-003	0.0000	39.5764	39.5764	7.6000e-004	7.3000e-004	39.8116
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.0000e-003</b>	<b>0.0364</b>	<b>0.0305</b>	<b>2.2000e-004</b>		<b>2.7600e-003</b>	<b>2.7600e-003</b>		<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>39.5764</b>	<b>39.5764</b>	<b>7.6000e-004</b>	<b>7.3000e-004</b>	<b>39.8116</b>

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	308997	50.1740	4.6300e-003	5.6000e-004	50.4567
Parking Lot	59500	9.6614	8.9000e-004	1.1000e-004	9.7159
<b>Total</b>		<b>59.8354</b>	<b>5.5200e-003</b>	<b>6.7000e-004</b>	<b>60.1726</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	154499	25.0870	2.3100e-003	2.8000e-004	25.2284
Parking Lot	29750	4.8307	4.5000e-004	5.0000e-005	4.8579
<b>Total</b>		<b>29.9177</b>	<b>2.7600e-003</b>	<b>3.3000e-004</b>	<b>30.0863</b>

**6.0 Area Detail**

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

**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	tons/yr										MT/yr					
Mitigated	0.0987	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7400e-003	4.7400e-003	1.0000e-005	0.0000	5.0500e-003
Unmitigated	0.0987	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7400e-003	4.7400e-003	1.0000e-005	0.0000	5.0500e-003

**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	6.0100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0924					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.2000e-004	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7400e-003	4.7400e-003	1.0000e-005	0.0000	5.0500e-003
<b>Total</b>	<b>0.0987</b>	<b>2.0000e-005</b>	<b>2.4300e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.7400e-003</b>	<b>4.7400e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.0500e-003</b>

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.0100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0924					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.2000e-004	2.0000e-005	2.4300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7400e-003	4.7400e-003	1.0000e-005	0.0000	5.0500e-003
<b>Total</b>	<b>0.0987</b>	<b>2.0000e-005</b>	<b>2.4300e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.7400e-003</b>	<b>4.7400e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.0500e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.6068	6.2300e-003	3.7500e-003	6.8811
Unmitigated	5.6068	6.2300e-003	3.7500e-003	6.8811

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	4.82156 / 0	5.6068	6.2300e-003	3.7500e-003	6.8811
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>5.6068</b>	<b>6.2300e-003</b>	<b>3.7500e-003</b>	<b>6.8811</b>

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

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	4.82156 / 0	5.6068	6.2300e-003	3.7500e-003	6.8811
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>5.6068</b>	<b>6.2300e-003</b>	<b>3.7500e-003</b>	<b>6.8811</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	5.2473	0.3101	0.0000	13.0000
Unmitigated	5.2473	0.3101	0.0000	13.0000

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

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	25.85	5.2473	0.3101	0.0000	13.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>5.2473</b>	<b>0.3101</b>	<b>0.0000</b>	<b>13.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	25.85	5.2473	0.3101	0.0000	13.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>5.2473</b>	<b>0.3101</b>	<b>0.0000</b>	<b>13.0000</b>

**9.0 Operational Offroad**

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

Equipment Type	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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