

Rialto Locust Industrial - San Bernardino-South Coast County, Annual

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

**Rialto Locust Industrial  
San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	192.00	1000sqft	4.41	192,000.00	0
Parking Lot	156.00	Space	1.40	62,400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<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 -
- Construction Phase - Demo: 20 days, Grading: 20 days, Construction: 230 Days, Paving: 20 days
- Vehicle Trips - 328 trips per traffic analysis
- Fleet Mix - 60% auto, 28% HHD, 11% MHD, 1% LDT
- Construction Off-road Equipment Mitigation -
- Demolition - 37143 sf demo
- Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	30.00

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tblConstructionPhase	PhaseEndDate	4/23/2024	5/7/2024
tblFleetMix	HHD	0.02	0.28
tblFleetMix	LDA	0.54	0.60
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.17	0.00
tblFleetMix	LHD1	0.03	0.01
tblFleetMix	LHD2	7.1040e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.14	0.00
tblFleetMix	MH	4.8300e-003	0.00
tblFleetMix	MHD	0.01	0.11
tblFleetMix	OBUS	5.5400e-004	0.00
tblFleetMix	SBUS	9.5400e-004	0.00
tblFleetMix	UBUS	2.5100e-004	0.00
tblVehicleTrips	ST_TR	1.74	1.71
tblVehicleTrips	SU_TR	1.74	1.71
tblVehicleTrips	WD_TR	1.74	1.71

**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	0.2284	1.9288	2.2688	4.9300e-003	0.2290	0.0852	0.3142	0.0748	0.0799	0.1547	0.0000	439.0549	439.0549	0.0741	0.0133	444.8766
2024	0.9537	0.4349	0.6078	1.2400e-003	0.0353	0.0189	0.0542	9.5000e-003	0.0177	0.0272	0.0000	109.9761	109.9761	0.0192	2.8200e-003	111.2963
<b>Maximum</b>	<b>0.9537</b>	<b>1.9288</b>	<b>2.2688</b>	<b>4.9300e-003</b>	<b>0.2290</b>	<b>0.0852</b>	<b>0.3142</b>	<b>0.0748</b>	<b>0.0799</b>	<b>0.1547</b>	<b>0.0000</b>	<b>439.0549</b>	<b>439.0549</b>	<b>0.0741</b>	<b>0.0133</b>	<b>444.8766</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	0.2284	1.9288	2.2688	4.9300e-003	0.1747	0.0852	0.2599	0.0522	0.0799	0.1321	0.0000	439.0546	439.0546	0.0741	0.0133	444.8763
2024	0.9537	0.4349	0.6078	1.2400e-003	0.0353	0.0189	0.0542	9.5000e-003	0.0177	0.0272	0.0000	109.9761	109.9761	0.0192	2.8200e-003	111.2962
<b>Maximum</b>	<b>0.9537</b>	<b>1.9288</b>	<b>2.2688</b>	<b>4.9300e-003</b>	<b>0.1747</b>	<b>0.0852</b>	<b>0.2599</b>	<b>0.0522</b>	<b>0.0799</b>	<b>0.1321</b>	<b>0.0000</b>	<b>439.0546</b>	<b>439.0546</b>	<b>0.0741</b>	<b>0.0133</b>	<b>444.8763</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	20.56	0.00	14.75	26.79	0.00	12.42	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-1-2023	4-30-2023	0.5690	0.5690
2	5-1-2023	7-31-2023	0.5964	0.5964
3	8-1-2023	10-31-2023	0.5972	0.5972
4	11-1-2023	1-31-2024	0.5869	0.5869
5	2-1-2024	4-30-2024	1.0409	1.0409
6	5-1-2024	7-31-2024	0.1536	0.1536
		Highest	1.0409	1.0409

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7881	4.0000e-005	4.4300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6400e-003	8.6400e-003	2.0000e-005	0.0000	9.2000e-003
Energy	2.0800e-003	0.0189	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	103.4642	103.4642	7.3900e-003	1.2300e-003	104.0141
Mobile	0.0742	1.5504	1.2063	9.5700e-003	0.5642	0.0141	0.5783	0.1540	0.0134	0.1674	0.0000	923.0437	923.0437	0.0281	0.1131	957.4505
Waste						0.0000	0.0000		0.0000	0.0000	36.6358	0.0000	36.6358	2.1651	0.0000	90.7637
Water						0.0000	0.0000		0.0000	0.0000	14.0861	102.5292	116.6153	1.4554	0.0352	163.4937
<b>Total</b>	<b>0.8643</b>	<b>1.5694</b>	<b>1.2266</b>	<b>9.6800e-003</b>	<b>0.5642</b>	<b>0.0155</b>	<b>0.5797</b>	<b>0.1540</b>	<b>0.0149</b>	<b>0.1689</b>	<b>50.7219</b>	<b>1,129.0458</b>	<b>1,179.7676</b>	<b>3.6561</b>	<b>0.1495</b>	<b>1,315.7312</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	0.7881	4.0000e-005	4.4300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6400e-003	8.6400e-003	2.0000e-005	0.0000	9.2000e-003
Energy	2.0800e-003	0.0189	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	103.4642	103.4642	7.3900e-003	1.2300e-003	104.0141
Mobile	0.0742	1.5504	1.2063	9.5700e-003	0.5642	0.0141	0.5783	0.1540	0.0134	0.1674	0.0000	923.0437	923.0437	0.0281	0.1131	957.4505
Waste						0.0000	0.0000		0.0000	0.0000	36.6358	0.0000	36.6358	2.1651	0.0000	90.7637
Water						0.0000	0.0000		0.0000	0.0000	14.0861	102.5292	116.6153	1.4554	0.0352	163.4937
<b>Total</b>	<b>0.8643</b>	<b>1.5694</b>	<b>1.2266</b>	<b>9.6800e-003</b>	<b>0.5642</b>	<b>0.0155</b>	<b>0.5797</b>	<b>0.1540</b>	<b>0.0149</b>	<b>0.1689</b>	<b>50.7219</b>	<b>1,129.0458</b>	<b>1,179.7676</b>	<b>3.6561</b>	<b>0.1495</b>	<b>1,315.7312</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	Demolition	Demolition	2/1/2023	2/28/2023	5	20	
2	Grading	Grading	3/15/2023	4/11/2023	5	20	
3	Building Construction	Building Construction	4/12/2023	2/27/2024	5	230	

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4	Paving	Paving	2/28/2024	3/26/2024	5	20
5	Architectural Coating	Architectural Coating	3/27/2024	5/7/2024	5	30

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 20**

**Acres of Paving: 1.4**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 288,000; Non-Residential Outdoor: 96,000; Striped Parking Area: 3,744 (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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	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	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

**Trips and VMT**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	169.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	107.00	42.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	21.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 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					0.0183	0.0000	0.0183	2.7700e-003	0.0000	2.7700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0227	0.2148	0.1964	3.9000e-004		9.9800e-003	9.9800e-003		9.2800e-003	9.2800e-003	0.0000	33.9921	33.9921	9.5200e-003	0.0000	34.2301
<b>Total</b>	<b>0.0227</b>	<b>0.2148</b>	<b>0.1964</b>	<b>3.9000e-004</b>	<b>0.0183</b>	<b>9.9800e-003</b>	<b>0.0283</b>	<b>2.7700e-003</b>	<b>9.2800e-003</b>	<b>0.0121</b>	<b>0.0000</b>	<b>33.9921</b>	<b>33.9921</b>	<b>9.5200e-003</b>	<b>0.0000</b>	<b>34.2301</b>



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**3.2 Demolition - 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	2.0000e-004	9.8300e-003	2.8500e-003	5.0000e-005	1.4600e-003	1.0000e-004	1.5500e-003	4.0000e-004	9.0000e-005	4.9000e-004	0.0000	4.6957	4.6957	2.0000e-004	7.4000e-004	4.9225
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	5.2000e-004	3.9000e-004	4.8700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2686	1.2686	3.0000e-005	3.0000e-005	1.2799
<b>Total</b>	<b>7.2000e-004</b>	<b>0.0102</b>	<b>7.7200e-003</b>	<b>6.0000e-005</b>	<b>3.1000e-003</b>	<b>1.1000e-004</b>	<b>3.2000e-003</b>	<b>8.4000e-004</b>	<b>1.0000e-004</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>5.9643</b>	<b>5.9643</b>	<b>2.3000e-004</b>	<b>7.7000e-004</b>	<b>6.2024</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					7.1300e-003	0.0000	7.1300e-003	1.0800e-003	0.0000	1.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0227	0.2148	0.1964	3.9000e-004		9.9800e-003	9.9800e-003		9.2800e-003	9.2800e-003	0.0000	33.9920	33.9920	9.5200e-003	0.0000	34.2300
<b>Total</b>	<b>0.0227</b>	<b>0.2148</b>	<b>0.1964</b>	<b>3.9000e-004</b>	<b>7.1300e-003</b>	<b>9.9800e-003</b>	<b>0.0171</b>	<b>1.0800e-003</b>	<b>9.2800e-003</b>	<b>0.0104</b>	<b>0.0000</b>	<b>33.9920</b>	<b>33.9920</b>	<b>9.5200e-003</b>	<b>0.0000</b>	<b>34.2300</b>

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**3.2 Demolition - 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	2.0000e-004	9.8300e-003	2.8500e-003	5.0000e-005	1.4600e-003	1.0000e-004	1.5500e-003	4.0000e-004	9.0000e-005	4.9000e-004	0.0000	4.6957	4.6957	2.0000e-004	7.4000e-004	4.9225
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	5.2000e-004	3.9000e-004	4.8700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2686	1.2686	3.0000e-005	3.0000e-005	1.2799
<b>Total</b>	<b>7.2000e-004</b>	<b>0.0102</b>	<b>7.7200e-003</b>	<b>6.0000e-005</b>	<b>3.1000e-003</b>	<b>1.1000e-004</b>	<b>3.2000e-003</b>	<b>8.4000e-004</b>	<b>1.0000e-004</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>5.9643</b>	<b>5.9643</b>	<b>2.3000e-004</b>	<b>7.7000e-004</b>	<b>6.2024</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					0.0708	0.0000	0.0708	0.0343	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1794	0.1475	3.0000e-004		7.7500e-003	7.7500e-003		7.1300e-003	7.1300e-003	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713
<b>Total</b>	<b>0.0171</b>	<b>0.1794</b>	<b>0.1475</b>	<b>3.0000e-004</b>	<b>0.0708</b>	<b>7.7500e-003</b>	<b>0.0786</b>	<b>0.0343</b>	<b>7.1300e-003</b>	<b>0.0414</b>	<b>0.0000</b>	<b>26.0606</b>	<b>26.0606</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2713</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	5.2000e-004	3.9000e-004	4.8700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2686	1.2686	3.0000e-005	3.0000e-005	1.2799
<b>Total</b>	<b>5.2000e-004</b>	<b>3.9000e-004</b>	<b>4.8700e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.2686</b>	<b>1.2686</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.2799</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					0.0276	0.0000	0.0276	0.0134	0.0000	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1794	0.1475	3.0000e-004		7.7500e-003	7.7500e-003		7.1300e-003	7.1300e-003	0.0000	26.0606	26.0606	8.4300e-003	0.0000	26.2713
<b>Total</b>	<b>0.0171</b>	<b>0.1794</b>	<b>0.1475</b>	<b>3.0000e-004</b>	<b>0.0276</b>	<b>7.7500e-003</b>	<b>0.0354</b>	<b>0.0134</b>	<b>7.1300e-003</b>	<b>0.0205</b>	<b>0.0000</b>	<b>26.0606</b>	<b>26.0606</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2713</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	5.2000e-004	3.9000e-004	4.8700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2686	1.2686	3.0000e-005	3.0000e-005	1.2799
<b>Total</b>	<b>5.2000e-004</b>	<b>3.9000e-004</b>	<b>4.8700e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.2686</b>	<b>1.2686</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.2799</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	0.1478	1.3522	1.5269	2.5300e-003		0.0658	0.0658		0.0619	0.0619	0.0000	217.8965	217.8965	0.0518	0.0000	219.1923
<b>Total</b>	<b>0.1478</b>	<b>1.3522</b>	<b>1.5269</b>	<b>2.5300e-003</b>		<b>0.0658</b>	<b>0.0658</b>		<b>0.0619</b>	<b>0.0619</b>	<b>0.0000</b>	<b>217.8965</b>	<b>217.8965</b>	<b>0.0518</b>	<b>0.0000</b>	<b>219.1923</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	4.4500e-003	0.1457	0.0590	7.1000e-004	0.0249	1.0400e-003	0.0259	7.1900e-003	1.0000e-003	8.1800e-003	0.0000	68.8069	68.8069	1.7900e-003	0.0102	71.8819
Worker	0.0350	0.0261	0.3264	9.3000e-004	0.1103	5.5000e-004	0.1108	0.0293	5.1000e-004	0.0298	0.0000	85.0659	85.0659	2.2600e-003	2.3400e-003	85.8188
<b>Total</b>	<b>0.0395</b>	<b>0.1718</b>	<b>0.3854</b>	<b>1.6400e-003</b>	<b>0.1352</b>	<b>1.5900e-003</b>	<b>0.1368</b>	<b>0.0365</b>	<b>1.5100e-003</b>	<b>0.0380</b>	<b>0.0000</b>	<b>153.8728</b>	<b>153.8728</b>	<b>4.0500e-003</b>	<b>0.0125</b>	<b>157.7007</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	0.1478	1.3522	1.5269	2.5300e-003		0.0658	0.0658		0.0619	0.0619	0.0000	217.8962	217.8962	0.0518	0.0000	219.1921
<b>Total</b>	<b>0.1478</b>	<b>1.3522</b>	<b>1.5269</b>	<b>2.5300e-003</b>		<b>0.0658</b>	<b>0.0658</b>		<b>0.0619</b>	<b>0.0619</b>	<b>0.0000</b>	<b>217.8962</b>	<b>217.8962</b>	<b>0.0518</b>	<b>0.0000</b>	<b>219.1921</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	4.4500e-003	0.1457	0.0590	7.1000e-004	0.0249	1.0400e-003	0.0259	7.1900e-003	1.0000e-003	8.1800e-003	0.0000	68.8069	68.8069	1.7900e-003	0.0102	71.8819
Worker	0.0350	0.0261	0.3264	9.3000e-004	0.1103	5.5000e-004	0.1108	0.0293	5.1000e-004	0.0298	0.0000	85.0659	85.0659	2.2600e-003	2.3400e-003	85.8188
<b>Total</b>	<b>0.0395</b>	<b>0.1718</b>	<b>0.3854</b>	<b>1.6400e-003</b>	<b>0.1352</b>	<b>1.5900e-003</b>	<b>0.1368</b>	<b>0.0365</b>	<b>1.5100e-003</b>	<b>0.0380</b>	<b>0.0000</b>	<b>153.8728</b>	<b>153.8728</b>	<b>4.0500e-003</b>	<b>0.0125</b>	<b>157.7007</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	0.0309	0.2823	0.3395	5.7000e-004		0.0129	0.0129		0.0121	0.0121	0.0000	48.6883	48.6883	0.0115	0.0000	48.9762
<b>Total</b>	<b>0.0309</b>	<b>0.2823</b>	<b>0.3395</b>	<b>5.7000e-004</b>		<b>0.0129</b>	<b>0.0129</b>		<b>0.0121</b>	<b>0.0121</b>	<b>0.0000</b>	<b>48.6883</b>	<b>48.6883</b>	<b>0.0115</b>	<b>0.0000</b>	<b>48.9762</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	9.7000e-004	0.0328	0.0130	1.6000e-004	5.5600e-003	2.3000e-004	5.7900e-003	1.6100e-003	2.2000e-004	1.8200e-003	0.0000	15.1601	15.1601	3.9000e-004	2.2400e-003	15.8373
Worker	7.2700e-003	5.1800e-003	0.0679	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003	0.0000	18.4526	18.4526	4.6000e-004	4.8000e-004	18.6082
<b>Total</b>	<b>8.2400e-003</b>	<b>0.0380</b>	<b>0.0808</b>	<b>3.6000e-004</b>	<b>0.0302</b>	<b>3.5000e-004</b>	<b>0.0306</b>	<b>8.1500e-003</b>	<b>3.3000e-004</b>	<b>8.4700e-003</b>	<b>0.0000</b>	<b>33.6128</b>	<b>33.6128</b>	<b>8.5000e-004</b>	<b>2.7200e-003</b>	<b>34.4456</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	0.0309	0.2823	0.3395	5.7000e-004		0.0129	0.0129		0.0121	0.0121	0.0000	48.6883	48.6883	0.0115	0.0000	48.9761
<b>Total</b>	<b>0.0309</b>	<b>0.2823</b>	<b>0.3395</b>	<b>5.7000e-004</b>		<b>0.0129</b>	<b>0.0129</b>		<b>0.0121</b>	<b>0.0121</b>	<b>0.0000</b>	<b>48.6883</b>	<b>48.6883</b>	<b>0.0115</b>	<b>0.0000</b>	<b>48.9761</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	9.7000e-004	0.0328	0.0130	1.6000e-004	5.5600e-003	2.3000e-004	5.7900e-003	1.6100e-003	2.2000e-004	1.8200e-003	0.0000	15.1601	15.1601	3.9000e-004	2.2400e-003	15.8373
Worker	7.2700e-003	5.1800e-003	0.0679	2.0000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6500e-003	0.0000	18.4526	18.4526	4.6000e-004	4.8000e-004	18.6082
<b>Total</b>	<b>8.2400e-003</b>	<b>0.0380</b>	<b>0.0808</b>	<b>3.6000e-004</b>	<b>0.0302</b>	<b>3.5000e-004</b>	<b>0.0306</b>	<b>8.1500e-003</b>	<b>3.3000e-004</b>	<b>8.4700e-003</b>	<b>0.0000</b>	<b>33.6128</b>	<b>33.6128</b>	<b>8.5000e-004</b>	<b>2.7200e-003</b>	<b>34.4456</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	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1885
Paving	1.8300e-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>0.0117</b>	<b>0.0953</b>	<b>0.1463</b>	<b>2.3000e-004</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>4.3100e-003</b>	<b>4.3100e-003</b>	<b>0.0000</b>	<b>20.0265</b>	<b>20.0265</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1885</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	4.9000e-004	3.5000e-004	4.5300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2318	1.2318	3.0000e-005	3.0000e-005	1.2422
<b>Total</b>	<b>4.9000e-004</b>	<b>3.5000e-004</b>	<b>4.5300e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.2318</b>	<b>1.2318</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.2422</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	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1884
Paving	1.8300e-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>0.0117</b>	<b>0.0953</b>	<b>0.1463</b>	<b>2.3000e-004</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>4.3100e-003</b>	<b>4.3100e-003</b>	<b>0.0000</b>	<b>20.0265</b>	<b>20.0265</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1884</b>

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**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	4.9000e-004	3.5000e-004	4.5300e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2318	1.2318	3.0000e-005	3.0000e-005	1.2422
<b>Total</b>	<b>4.9000e-004</b>	<b>3.5000e-004</b>	<b>4.5300e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.2318</b>	<b>1.2318</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.2422</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	0.8986					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7100e-003	0.0183	0.0272	4.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	3.8299	3.8299	2.2000e-004	0.0000	3.8353
<b>Total</b>	<b>0.9013</b>	<b>0.0183</b>	<b>0.0272</b>	<b>4.0000e-005</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>3.8299</b>	<b>3.8299</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>3.8353</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	1.0200e-003	7.3000e-004	9.5100e-003	3.0000e-005	3.4500e-003	2.0000e-005	3.4700e-003	9.2000e-004	2.0000e-005	9.3000e-004	0.0000	2.5868	2.5868	6.0000e-005	7.0000e-005	2.6086
<b>Total</b>	<b>1.0200e-003</b>	<b>7.3000e-004</b>	<b>9.5100e-003</b>	<b>3.0000e-005</b>	<b>3.4500e-003</b>	<b>2.0000e-005</b>	<b>3.4700e-003</b>	<b>9.2000e-004</b>	<b>2.0000e-005</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>2.5868</b>	<b>2.5868</b>	<b>6.0000e-005</b>	<b>7.0000e-005</b>	<b>2.6086</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	0.8986					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7100e-003	0.0183	0.0272	4.0000e-005		9.1000e-004	9.1000e-004		9.1000e-004	9.1000e-004	0.0000	3.8299	3.8299	2.2000e-004	0.0000	3.8353
<b>Total</b>	<b>0.9013</b>	<b>0.0183</b>	<b>0.0272</b>	<b>4.0000e-005</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>		<b>9.1000e-004</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>3.8299</b>	<b>3.8299</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>3.8353</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	1.0200e-003	7.3000e-004	9.5100e-003	3.0000e-005	3.4500e-003	2.0000e-005	3.4700e-003	9.2000e-004	2.0000e-005	9.3000e-004	0.0000	2.5868	2.5868	6.0000e-005	7.0000e-005	2.6086
<b>Total</b>	<b>1.0200e-003</b>	<b>7.3000e-004</b>	<b>9.5100e-003</b>	<b>3.0000e-005</b>	<b>3.4500e-003</b>	<b>2.0000e-005</b>	<b>3.4700e-003</b>	<b>9.2000e-004</b>	<b>2.0000e-005</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>2.5868</b>	<b>2.5868</b>	<b>6.0000e-005</b>	<b>7.0000e-005</b>	<b>2.6086</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	0.0742	1.5504	1.2063	9.5700e-003	0.5642	0.0141	0.5783	0.1540	0.0134	0.1674	0.0000	923.0437	923.0437	0.0281	0.1131	957.4505
Unmitigated	0.0742	1.5504	1.2063	9.5700e-003	0.5642	0.0141	0.5783	0.1540	0.0134	0.1674	0.0000	923.0437	923.0437	0.0281	0.1131	957.4505

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	328.32	328.32	328.32	1,407,087	1,407,087
<b>Total</b>	<b>328.32</b>	<b>328.32</b>	<b>328.32</b>	<b>1,407,087</b>	<b>1,407,087</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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.540566	0.056059	0.172680	0.136494	0.026304	0.007104	0.011680	0.017449	0.000554	0.000251	0.025076	0.000954	0.004830
Unrefrigerated Warehouse-No Rail	0.600000	0.000000	0.000000	0.000000	0.010000	0.000000	0.110000	0.280000	0.000000	0.000000	0.000000	0.000000	0.000000

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	82.8700	82.8700	6.9900e-003	8.5000e-004	83.2975
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	82.8700	82.8700	6.9900e-003	8.5000e-004	83.2975
NaturalGas Mitigated	2.0800e-003	0.0189	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	20.5942	20.5942	3.9000e-004	3.8000e-004	20.7165
NaturalGas Unmitigated	2.0800e-003	0.0189	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	20.5942	20.5942	3.9000e-004	3.8000e-004	20.7165

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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					
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
Unrefrigerated Warehouse-No Rail	385920	2.0800e-003	0.0189	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	20.5942	20.5942	3.9000e-004	3.8000e-004	20.7165
<b>Total</b>		<b>2.0800e-003</b>	<b>0.0189</b>	<b>0.0159</b>	<b>1.1000e-004</b>		<b>1.4400e-003</b>	<b>1.4400e-003</b>		<b>1.4400e-003</b>	<b>1.4400e-003</b>	<b>0.0000</b>	<b>20.5942</b>	<b>20.5942</b>	<b>3.9000e-004</b>	<b>3.8000e-004</b>	<b>20.7165</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					
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
Unrefrigerated Warehouse-No Rail	385920	2.0800e-003	0.0189	0.0159	1.1000e-004		1.4400e-003	1.4400e-003		1.4400e-003	1.4400e-003	0.0000	20.5942	20.5942	3.9000e-004	3.8000e-004	20.7165
<b>Total</b>		<b>2.0800e-003</b>	<b>0.0189</b>	<b>0.0159</b>	<b>1.1000e-004</b>		<b>1.4400e-003</b>	<b>1.4400e-003</b>		<b>1.4400e-003</b>	<b>1.4400e-003</b>	<b>0.0000</b>	<b>20.5942</b>	<b>20.5942</b>	<b>3.9000e-004</b>	<b>3.8000e-004</b>	<b>20.7165</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			
Parking Lot	21840	3.8732	3.3000e-004	4.0000e-005	3.8932
Unrefrigerated Warehouse-No Rail	445440	78.9968	6.6700e-003	8.1000e-004	79.4043
<b>Total</b>		<b>82.8700</b>	<b>7.0000e-003</b>	<b>8.5000e-004</b>	<b>83.2975</b>

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	21840	3.8732	3.3000e-004	4.0000e-005	3.8932
Unrefrigerated Warehouse-No Rail	445440	78.9968	6.6700e-003	8.1000e-004	79.4043
<b>Total</b>		<b>82.8700</b>	<b>7.0000e-003</b>	<b>8.5000e-004</b>	<b>83.2975</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	0.7881	4.0000e-005	4.4300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6400e-003	8.6400e-003	2.0000e-005	0.0000	9.2000e-003
Unmitigated	0.7881	4.0000e-005	4.4300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6400e-003	8.6400e-003	2.0000e-005	0.0000	9.2000e-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	0.0899					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6978					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	4.0000e-005	4.4300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6400e-003	8.6400e-003	2.0000e-005	0.0000	9.2000e-003
<b>Total</b>	<b>0.7881</b>	<b>4.0000e-005</b>	<b>4.4300e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>8.6400e-003</b>	<b>8.6400e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.2000e-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	0.0899					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6978					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.1000e-004	4.0000e-005	4.4300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	8.6400e-003	8.6400e-003	2.0000e-005	0.0000	9.2000e-003
<b>Total</b>	<b>0.7881</b>	<b>4.0000e-005</b>	<b>4.4300e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>8.6400e-003</b>	<b>8.6400e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>9.2000e-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	116.6153	1.4554	0.0352	163.4937
Unmitigated	116.6153	1.4554	0.0352	163.4937

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	44.4 / 0	116.6153	1.4554	0.0352	163.4937
<b>Total</b>		<b>116.6153</b>	<b>1.4554</b>	<b>0.0352</b>	<b>163.4937</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			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	44.4 / 0	116.6153	1.4554	0.0352	163.4937
<b>Total</b>		<b>116.6153</b>	<b>1.4554</b>	<b>0.0352</b>	<b>163.4937</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	36.6358	2.1651	0.0000	90.7637
Unmitigated	36.6358	2.1651	0.0000	90.7637

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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			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	180.48	36.6358	2.1651	0.0000	90.7637
<b>Total</b>		<b>36.6358</b>	<b>2.1651</b>	<b>0.0000</b>	<b>90.7637</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	180.48	36.6358	2.1651	0.0000	90.7637
<b>Total</b>		<b>36.6358</b>	<b>2.1651</b>	<b>0.0000</b>	<b>90.7637</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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