

**APPENDIX A:  
AIR QUALITY MODELING**

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59th St SMUD Remediation & Demolition 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**

**59th St SMUD Remediation & Demolition 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 Office Building	164.00	1000sqft	3.76	164,000.00	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>		2023	
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MW hr)</b>	328.2	<b>CH4 Intensity (lb/MW hr)</b>	0.03	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics - The intensity factor was scaled using SMUD's 2020 power mix and its CalEEMod default intensity factor.

This model run is used for estimating construction emissions only and the operational analysis is not used/relevant.

Land Use - Shops Building 29,000sf  
 Warehouse Building 105,000 sf  
 Tool Issue Building 20,000 sf  
 Salvage Building 3,500 sf  
 HazMat Building 6,500 sf

Construction Phase - Site preparation and grading phases in CalEEMod are used to represent remediation of contaminated soil.

Off-road Equipment - Caleemod Defaults

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Trips and VMT -

Demolition - All the buildings (164 ksf) are proposed to be demolished.

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Grading - Estimated contaminated soil to be exported out- 10,000 cubic yards

Vehicle Emission Factors - EMFAC EF 2021

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Area Coating -

Water And Wastewater -

Solid Waste -

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	92.00
tblConstructionPhase	NumDays	8.00	37.00
tblConstructionPhase	NumDays	5.00	23.00
tblGrading	AcresOfGrading	34.50	0.00
tblGrading	MaterialExported	0.00	10,000.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.03
tblProjectCharacteristics	CO2IntensityFactor	357.98	328.2
tblRoadDust	CARB_PM_VMT	True	False
tblVehicleEF	HHD	0.03	0.90
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	6.64	1.08
tblVehicleEF	HHD	0.39	0.22
tblVehicleEF	HHD	5.0960e-003	53.04
tblVehicleEF	HHD	0.19	1.47
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.2000e-005	4.5000e-005
tblVehicleEF	HHD	6.73	53.87
tblVehicleEF	HHD	3.12	3.19

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tblVehicleEF	HHD	2.67	2.70
tblVehicleEF	HHD	5.8360e-003	0.06
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	5.0000e-006
tblVehicleEF	HHD	6.0000e-006	0.03
tblVehicleEF	HHD	0.47	3.68
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	6.0000e-006	0.03
tblVehicleEF	HHD	0.54	4.93
tblVehicleEF	HHD	0.10	0.20
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.91
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	6.52	1.10
tblVehicleEF	HHD	0.39	0.22
tblVehicleEF	HHD	4.6950e-003	52.07
tblVehicleEF	HHD	0.18	1.46
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.2000e-005	4.4000e-005
tblVehicleEF	HHD	6.52	52.40
tblVehicleEF	HHD	2.93	2.99
tblVehicleEF	HHD	2.67	2.70
tblVehicleEF	HHD	5.0080e-003	0.05
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03

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tblVehicleEF	HHD	1.0000e-006	5.0000e-006
tblVehicleEF	HHD	1.7000e-005	0.05
tblVehicleEF	HHD	0.49	3.86
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	1.7000e-005	0.05
tblVehicleEF	HHD	0.57	5.13
tblVehicleEF	HHD	0.10	0.20
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.89
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	6.80	1.06
tblVehicleEF	HHD	0.39	0.22
tblVehicleEF	HHD	5.6500e-003	54.39
tblVehicleEF	HHD	0.19	1.48
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.3000e-005	4.8000e-005
tblVehicleEF	HHD	7.01	55.89
tblVehicleEF	HHD	3.19	3.25
tblVehicleEF	HHD	2.67	2.70
tblVehicleEF	HHD	6.9800e-003	0.07
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	5.0000e-006
tblVehicleEF	HHD	1.0000e-006	0.02
tblVehicleEF	HHD	0.43	3.43
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	2.0000e-006	0.00

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tblVehicleEF	HHD	1.0000e-006	0.02
tblVehicleEF	HHD	0.50	4.65
tblVehicleEF	HHD	0.10	0.20
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	LDA	2.2340e-003	2.9100e-003
tblVehicleEF	LDA	0.05	0.08
tblVehicleEF	LDA	0.00	0.90
tblVehicleEF	LDA	0.64	0.03
tblVehicleEF	LDA	2.22	0.00
tblVehicleEF	LDA	4.4920e-003	5.3120e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.19	0.28
tblVehicleEF	LDA	0.04	8.0250e-003
tblVehicleEF	LDA	1.4440e-003	1.4680e-003
tblVehicleEF	LDA	1.8810e-003	2.2550e-003
tblVehicleEF	LDA	0.06	1.76
tblVehicleEF	LDA	8.6450e-003	0.01
tblVehicleEF	LDA	0.23	0.37
tblVehicleEF	LDA	0.06	1.76
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.26	0.41
tblVehicleEF	LDA	2.6410e-003	3.1780e-003
tblVehicleEF	LDA	0.04	0.07
tblVehicleEF	LDA	0.00	1.33
tblVehicleEF	LDA	0.82	0.03
tblVehicleEF	LDA	1.83	0.00
tblVehicleEF	LDA	4.2170e-003	4.6710e-003
tblVehicleEF	LDA	0.02	0.03

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tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.17	0.26
tblVehicleEF	LDA	0.04	8.0250e-003
tblVehicleEF	LDA	1.4440e-003	1.4680e-003
tblVehicleEF	LDA	1.8810e-003	2.2550e-003
tblVehicleEF	LDA	0.16	2.63
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.19	0.31
tblVehicleEF	LDA	0.16	2.63
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.21	0.34
tblVehicleEF	LDA	2.0770e-003	2.7660e-003
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.00	0.81
tblVehicleEF	LDA	0.61	0.03
tblVehicleEF	LDA	2.78	0.00
tblVehicleEF	LDA	4.8260e-003	5.8210e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.21	0.32
tblVehicleEF	LDA	0.04	8.0250e-003
tblVehicleEF	LDA	1.4440e-003	1.4680e-003
tblVehicleEF	LDA	1.8810e-003	2.2550e-003
tblVehicleEF	LDA	0.02	1.50
tblVehicleEF	LDA	8.1780e-003	0.01
tblVehicleEF	LDA	0.28	0.45
tblVehicleEF	LDA	0.02	1.50
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.31	0.49

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tblVehicleEF	LDT1	4.7010e-003	7.4970e-003
tblVehicleEF	LDT1	0.07	0.12
tblVehicleEF	LDT1	0.00	1.73
tblVehicleEF	LDT1	1.07	0.04
tblVehicleEF	LDT1	2.42	0.00
tblVehicleEF	LDT1	6.9200e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.08	0.14
tblVehicleEF	LDT1	0.26	0.46
tblVehicleEF	LDT1	0.04	9.8690e-003
tblVehicleEF	LDT1	1.8990e-003	2.1290e-003
tblVehicleEF	LDT1	2.4400e-003	3.3350e-003
tblVehicleEF	LDT1	0.14	3.56
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.37	0.67
tblVehicleEF	LDT1	0.14	3.56
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.41	0.73
tblVehicleEF	LDT1	5.5040e-003	8.1760e-003
tblVehicleEF	LDT1	0.06	0.10
tblVehicleEF	LDT1	0.00	2.52
tblVehicleEF	LDT1	1.35	0.04
tblVehicleEF	LDT1	1.99	0.00
tblVehicleEF	LDT1	6.4410e-003	9.2670e-003
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.08	0.12
tblVehicleEF	LDT1	0.25	0.42
tblVehicleEF	LDT1	0.04	9.8690e-003
tblVehicleEF	LDT1	1.8990e-003	2.1290e-003



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tblVehicleEF	LDT1	2.4400e-003	3.3350e-003
tblVehicleEF	LDT1	0.37	5.34
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.30	0.55
tblVehicleEF	LDT1	0.37	5.34
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.33	0.60
tblVehicleEF	LDT1	4.3950e-003	7.1500e-003
tblVehicleEF	LDT1	0.09	0.15
tblVehicleEF	LDT1	0.00	1.56
tblVehicleEF	LDT1	1.02	0.04
tblVehicleEF	LDT1	3.03	0.00
tblVehicleEF	LDT1	7.4750e-003	0.01
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.09	0.17
tblVehicleEF	LDT1	0.30	0.51
tblVehicleEF	LDT1	0.04	9.8690e-003
tblVehicleEF	LDT1	1.8990e-003	2.1290e-003
tblVehicleEF	LDT1	2.4400e-003	3.3350e-003
tblVehicleEF	LDT1	0.04	2.99
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.45	0.81
tblVehicleEF	LDT1	0.04	2.99
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.49	0.88
tblVehicleEF	LDT2	3.4500e-003	3.2940e-003
tblVehicleEF	LDT2	0.07	0.09
tblVehicleEF	LDT2	0.00	1.00
tblVehicleEF	LDT2	0.87	0.03

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tblVehicleEF	LDT2	2.85	0.00
tblVehicleEF	LDT2	6.3410e-003	6.6740e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.30	0.38
tblVehicleEF	LDT2	0.04	9.5000e-003
tblVehicleEF	LDT2	1.4420e-003	1.4720e-003
tblVehicleEF	LDT2	1.8230e-003	2.1750e-003
tblVehicleEF	LDT2	0.09	1.65
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.33	0.43
tblVehicleEF	LDT2	0.09	1.65
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.36	0.47
tblVehicleEF	LDT2	4.0610e-003	3.5960e-003
tblVehicleEF	LDT2	0.06	0.08
tblVehicleEF	LDT2	0.00	1.47
tblVehicleEF	LDT2	1.10	0.03
tblVehicleEF	LDT2	2.34	0.00
tblVehicleEF	LDT2	5.9270e-003	5.8770e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.28	0.35
tblVehicleEF	LDT2	0.04	9.5000e-003
tblVehicleEF	LDT2	1.4420e-003	1.4720e-003
tblVehicleEF	LDT2	1.8230e-003	2.1750e-003
tblVehicleEF	LDT2	0.23	2.38
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.27	0.35

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tblVehicleEF	LDT2	0.23	2.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.30	0.39
tblVehicleEF	LDT2	3.2120e-003	3.1310e-003
tblVehicleEF	LDT2	0.08	0.11
tblVehicleEF	LDT2	0.00	0.90
tblVehicleEF	LDT2	0.82	0.03
tblVehicleEF	LDT2	3.58	0.00
tblVehicleEF	LDT2	6.8280e-003	7.3100e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.34	0.43
tblVehicleEF	LDT2	0.04	9.5000e-003
tblVehicleEF	LDT2	1.4420e-003	1.4720e-003
tblVehicleEF	LDT2	1.8230e-003	2.1750e-003
tblVehicleEF	LDT2	0.03	1.43
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.40	0.51
tblVehicleEF	LDT2	0.03	1.43
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.44	0.56
tblVehicleEF	LHD1	4.8800e-003	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	1.08
tblVehicleEF	LHD1	0.98	0.08
tblVehicleEF	LHD1	1.05	2.73
tblVehicleEF	LHD1	8.3500e-004	9.6770e-003
tblVehicleEF	LHD1	0.05	0.05

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tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.83
tblVehicleEF	LHD1	1.28	1.10
tblVehicleEF	LHD1	0.32	0.43
tblVehicleEF	LHD1	9.3900e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8860e-003	9.5890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.5500e-004	2.3700e-004
tblVehicleEF	LHD1	2.9000e-003	2.09
tblVehicleEF	LHD1	0.02	0.32
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	2.9000e-003	2.09
tblVehicleEF	LHD1	0.03	0.46
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.09	0.13
tblVehicleEF	LHD1	4.8950e-003	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.18	1.11
tblVehicleEF	LHD1	1.01	0.08
tblVehicleEF	LHD1	0.97	2.73
tblVehicleEF	LHD1	8.3900e-004	9.7310e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.83
tblVehicleEF	LHD1	1.19	1.02
tblVehicleEF	LHD1	0.30	0.41

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tblVehicleEF	LHD1	9.3900e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8860e-003	9.5890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.5500e-004	2.3700e-004
tblVehicleEF	LHD1	7.4240e-003	3.01
tblVehicleEF	LHD1	0.02	0.32
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	7.4240e-003	3.01
tblVehicleEF	LHD1	0.03	0.46
tblVehicleEF	LHD1	0.15	0.15
tblVehicleEF	LHD1	0.08	0.12
tblVehicleEF	LHD1	4.8620e-003	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	1.05
tblVehicleEF	LHD1	0.96	0.08
tblVehicleEF	LHD1	1.16	2.73
tblVehicleEF	LHD1	8.3300e-004	9.6300e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	0.08	0.83
tblVehicleEF	LHD1	1.32	1.13
tblVehicleEF	LHD1	0.34	0.47
tblVehicleEF	LHD1	9.3900e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8860e-003	9.5890e-003
tblVehicleEF	LHD1	0.02	0.02

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tblVehicleEF	LHD1	2.5500e-004	2.3700e-004
tblVehicleEF	LHD1	8.3400e-004	1.79
tblVehicleEF	LHD1	0.02	0.32
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD1	8.3400e-004	1.79
tblVehicleEF	LHD1	0.03	0.46
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.09	0.13
tblVehicleEF	LHD2	3.1980e-003	0.05
tblVehicleEF	LHD2	8.0840e-003	8.3830e-003
tblVehicleEF	LHD2	9.0150e-003	0.01
tblVehicleEF	LHD2	0.14	0.73
tblVehicleEF	LHD2	0.76	0.13
tblVehicleEF	LHD2	0.61	2.06
tblVehicleEF	LHD2	1.8130e-003	0.02
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	1.29
tblVehicleEF	LHD2	1.36	1.13
tblVehicleEF	LHD2	0.19	0.26
tblVehicleEF	LHD2	1.4350e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2500e-004	1.0900e-004
tblVehicleEF	LHD2	1.4220e-003	1.02
tblVehicleEF	LHD2	0.02	0.24
tblVehicleEF	LHD2	0.13	0.14

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

tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	1.4220e-003	1.02
tblVehicleEF	LHD2	0.02	0.33
tblVehicleEF	LHD2	0.15	0.16
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.2080e-003	0.05
tblVehicleEF	LHD2	8.1850e-003	8.4850e-003
tblVehicleEF	LHD2	8.4970e-003	0.01
tblVehicleEF	LHD2	0.14	0.75
tblVehicleEF	LHD2	0.77	0.13
tblVehicleEF	LHD2	0.56	2.06
tblVehicleEF	LHD2	1.8150e-003	0.02
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	1.29
tblVehicleEF	LHD2	1.27	1.05
tblVehicleEF	LHD2	0.18	0.24
tblVehicleEF	LHD2	1.4350e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2500e-004	1.0900e-004
tblVehicleEF	LHD2	3.6200e-003	1.48
tblVehicleEF	LHD2	0.02	0.24
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	3.6200e-003	1.48
tblVehicleEF	LHD2	0.02	0.33
tblVehicleEF	LHD2	0.15	0.16

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

tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.1870e-003	0.05
tblVehicleEF	LHD2	7.9730e-003	8.2720e-003
tblVehicleEF	LHD2	9.6280e-003	0.01
tblVehicleEF	LHD2	0.14	0.72
tblVehicleEF	LHD2	0.75	0.13
tblVehicleEF	LHD2	0.67	2.06
tblVehicleEF	LHD2	1.8110e-003	0.02
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.11	1.29
tblVehicleEF	LHD2	1.39	1.15
tblVehicleEF	LHD2	0.21	0.28
tblVehicleEF	LHD2	1.4350e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2500e-004	1.0900e-004
tblVehicleEF	LHD2	4.2800e-004	0.88
tblVehicleEF	LHD2	0.02	0.24
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	4.2800e-004	0.88
tblVehicleEF	LHD2	0.02	0.33
tblVehicleEF	LHD2	0.15	0.16
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	MCY	0.34	0.20
tblVehicleEF	MCY	0.26	0.21
tblVehicleEF	MCY	0.00	15.74



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

tblVehicleEF	MCY	19.91	8.5180e-003
tblVehicleEF	MCY	8.95	0.00
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	1.15	0.67
tblVehicleEF	MCY	0.27	0.17
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9580e-003	1.9800e-003
tblVehicleEF	MCY	3.0640e-003	3.6000e-003
tblVehicleEF	MCY	1.40	5.35
tblVehicleEF	MCY	2.34	1.41
tblVehicleEF	MCY	1.98	1.61
tblVehicleEF	MCY	1.40	5.35
tblVehicleEF	MCY	2.87	1.67
tblVehicleEF	MCY	2.16	1.75
tblVehicleEF	MCY	0.33	0.20
tblVehicleEF	MCY	0.22	0.18
tblVehicleEF	MCY	0.00	16.00
tblVehicleEF	MCY	20.13	8.5180e-003
tblVehicleEF	MCY	8.02	0.00
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	9.6550e-003
tblVehicleEF	MCY	0.97	0.57
tblVehicleEF	MCY	0.25	0.16
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9580e-003	1.9800e-003
tblVehicleEF	MCY	3.0640e-003	3.6000e-003
tblVehicleEF	MCY	3.89	9.52
tblVehicleEF	MCY	2.28	1.38

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

tblVehicleEF	MCY	1.65	1.34
tblVehicleEF	MCY	3.89	9.52
tblVehicleEF	MCY	2.79	1.63
tblVehicleEF	MCY	1.80	1.46
tblVehicleEF	MCY	0.36	0.21
tblVehicleEF	MCY	0.32	0.26
tblVehicleEF	MCY	0.00	16.72
tblVehicleEF	MCY	21.93	8.5180e-003
tblVehicleEF	MCY	10.80	0.00
tblVehicleEF	MCY	0.07	0.05
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	1.27	0.74
tblVehicleEF	MCY	0.30	0.19
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9580e-003	1.9800e-003
tblVehicleEF	MCY	3.0640e-003	3.6000e-003
tblVehicleEF	MCY	0.27	4.04
tblVehicleEF	MCY	2.49	1.50
tblVehicleEF	MCY	2.48	2.02
tblVehicleEF	MCY	0.27	4.04
tblVehicleEF	MCY	3.04	1.76
tblVehicleEF	MCY	2.69	2.20
tblVehicleEF	MDV	4.4540e-003	5.0050e-003
tblVehicleEF	MDV	0.09	0.12
tblVehicleEF	MDV	0.00	1.25
tblVehicleEF	MDV	0.99	0.03
tblVehicleEF	MDV	3.29	0.00
tblVehicleEF	MDV	8.7140e-003	0.01
tblVehicleEF	MDV	0.04	0.04

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

tblVehicleEF	MDV	0.09	0.13
tblVehicleEF	MDV	0.37	0.52
tblVehicleEF	MDV	0.04	9.7770e-003
tblVehicleEF	MDV	1.5480e-003	1.5980e-003
tblVehicleEF	MDV	1.9510e-003	2.3550e-003
tblVehicleEF	MDV	0.11	2.13
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.43	0.62
tblVehicleEF	MDV	0.11	2.13
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.47	0.68
tblVehicleEF	MDV	5.2520e-003	5.4780e-003
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.00	1.83
tblVehicleEF	MDV	1.25	0.03
tblVehicleEF	MDV	2.69	0.00
tblVehicleEF	MDV	8.2080e-003	9.0950e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.34	0.48
tblVehicleEF	MDV	0.04	9.7770e-003
tblVehicleEF	MDV	1.5480e-003	1.5980e-003
tblVehicleEF	MDV	1.9510e-003	2.3550e-003
tblVehicleEF	MDV	0.28	3.01
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.36	0.51
tblVehicleEF	MDV	0.28	3.01
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.39	0.56

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

tblVehicleEF	MDV	4.1650e-003	4.7780e-003
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.00	1.13
tblVehicleEF	MDV	0.94	0.03
tblVehicleEF	MDV	4.14	0.00
tblVehicleEF	MDV	9.3080e-003	0.01
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.15
tblVehicleEF	MDV	0.41	0.59
tblVehicleEF	MDV	0.04	9.7770e-003
tblVehicleEF	MDV	1.5480e-003	1.5980e-003
tblVehicleEF	MDV	1.9510e-003	2.3550e-003
tblVehicleEF	MDV	0.03	1.87
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.52	0.74
tblVehicleEF	MDV	0.03	1.87
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.57	0.82
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.00	1.31
tblVehicleEF	MH	1.23	0.07
tblVehicleEF	MH	2.15	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.62	1.67
tblVehicleEF	MH	0.25	0.31
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01

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

tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	2.6200e-004	3.0700e-004
tblVehicleEF	MH	1.01	3.61
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	1.01	3.61
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.11	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.00	1.36
tblVehicleEF	MH	1.27	0.07
tblVehicleEF	MH	1.94	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.49	1.54
tblVehicleEF	MH	0.23	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	2.6200e-004	3.0700e-004
tblVehicleEF	MH	2.59	5.35
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	2.59	5.35
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03

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

tblVehicleEF	MH	0.00	1.26
tblVehicleEF	MH	1.18	0.07
tblVehicleEF	MH	2.42	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.67	1.73
tblVehicleEF	MH	0.27	0.33
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	2.6200e-004	3.0700e-004
tblVehicleEF	MH	0.30	3.05
tblVehicleEF	MH	0.08	0.08
tblVehicleEF	MH	0.11	0.13
tblVehicleEF	MH	0.30	3.05
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MHD	4.3960e-003	0.22
tblVehicleEF	MHD	2.6650e-003	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.58	0.63
tblVehicleEF	MHD	0.33	0.19
tblVehicleEF	MHD	1.33	9.31
tblVehicleEF	MHD	0.02	0.31
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	8.1560e-003	7.3870e-003
tblVehicleEF	MHD	1.22	14.68
tblVehicleEF	MHD	1.73	1.98
tblVehicleEF	MHD	1.59	1.28

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

tblVehicleEF	MHD	1.9100e-003	0.03
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	8.6060e-003	0.02
tblVehicleEF	MHD	1.2600e-004	1.3000e-004
tblVehicleEF	MHD	8.1000e-004	0.80
tblVehicleEF	MHD	0.03	0.45
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	8.1000e-004	0.80
tblVehicleEF	MHD	0.04	0.73
tblVehicleEF	MHD	0.03	0.08
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	MHD	4.1540e-003	0.22
tblVehicleEF	MHD	2.7400e-003	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.49	0.65
tblVehicleEF	MHD	0.34	0.19
tblVehicleEF	MHD	1.23	7.98
tblVehicleEF	MHD	0.02	0.32
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	7.9060e-003	7.1610e-003
tblVehicleEF	MHD	1.22	14.64
tblVehicleEF	MHD	1.61	1.85
tblVehicleEF	MHD	1.58	1.27
tblVehicleEF	MHD	1.6160e-003	0.03
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	8.6060e-003	0.02
tblVehicleEF	MHD	1.2600e-004	1.3000e-004
tblVehicleEF	MHD	2.0910e-003	1.33

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

tblVehicleEF	MHD	0.03	0.43
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	2.0910e-003	1.33
tblVehicleEF	MHD	0.04	0.71
tblVehicleEF	MHD	0.03	0.08
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	4.6320e-003	0.22
tblVehicleEF	MHD	2.5820e-003	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.67	0.61
tblVehicleEF	MHD	0.32	0.19
tblVehicleEF	MHD	1.48	10.74
tblVehicleEF	MHD	0.02	0.31
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	8.6160e-003	7.8040e-003
tblVehicleEF	MHD	1.21	14.75
tblVehicleEF	MHD	1.76	2.02
tblVehicleEF	MHD	1.60	1.29
tblVehicleEF	MHD	2.3170e-003	0.04
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	8.6060e-003	0.02
tblVehicleEF	MHD	1.2600e-004	1.3000e-004
tblVehicleEF	MHD	2.3300e-004	0.67
tblVehicleEF	MHD	0.03	0.46
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	MHD	2.3300e-004	0.67
tblVehicleEF	MHD	0.04	0.76



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

tblVehicleEF	MHD	0.03	0.07
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	OBUS	7.9010e-003	0.27
tblVehicleEF	OBUS	7.1450e-003	0.05
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.62	1.40
tblVehicleEF	OBUS	0.82	0.19
tblVehicleEF	OBUS	2.45	7.79
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.37	3.94
tblVehicleEF	OBUS	1.45	1.56
tblVehicleEF	OBUS	0.93	0.78
tblVehicleEF	OBUS	1.2300e-004	0.01
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0470e-003	0.04
tblVehicleEF	OBUS	1.6700e-004	1.7600e-004
tblVehicleEF	OBUS	2.2060e-003	2.00
tblVehicleEF	OBUS	0.05	0.74
tblVehicleEF	OBUS	0.04	0.11
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	2.2060e-003	2.00
tblVehicleEF	OBUS	0.07	1.13
tblVehicleEF	OBUS	0.06	0.18
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	8.0000e-003	0.27
tblVehicleEF	OBUS	7.3740e-003	0.05
tblVehicleEF	OBUS	0.02	0.02

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tblVehicleEF	OBUS	0.61	1.45
tblVehicleEF	OBUS	0.85	0.19
tblVehicleEF	OBUS	2.20	7.68
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.35	3.79
tblVehicleEF	OBUS	1.34	1.45
tblVehicleEF	OBUS	0.91	0.76
tblVehicleEF	OBUS	1.0900e-004	8.7790e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0470e-003	0.04
tblVehicleEF	OBUS	1.6700e-004	1.7600e-004
tblVehicleEF	OBUS	5.5670e-003	3.16
tblVehicleEF	OBUS	0.05	0.75
tblVehicleEF	OBUS	0.04	0.11
tblVehicleEF	OBUS	0.11	0.12
tblVehicleEF	OBUS	5.5670e-003	3.16
tblVehicleEF	OBUS	0.07	1.14
tblVehicleEF	OBUS	0.06	0.18
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	7.7740e-003	0.27
tblVehicleEF	OBUS	6.8870e-003	0.05
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.62	1.36
tblVehicleEF	OBUS	0.80	0.19
tblVehicleEF	OBUS	2.74	7.93
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.13	0.14

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tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.39	4.13
tblVehicleEF	OBUS	1.50	1.61
tblVehicleEF	OBUS	0.95	0.80
tblVehicleEF	OBUS	1.4200e-004	0.01
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0470e-003	0.04
tblVehicleEF	OBUS	1.6700e-004	1.7600e-004
tblVehicleEF	OBUS	7.5700e-004	1.76
tblVehicleEF	OBUS	0.05	0.72
tblVehicleEF	OBUS	0.04	0.11
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	7.5700e-004	1.76
tblVehicleEF	OBUS	0.06	1.11
tblVehicleEF	OBUS	0.06	0.18
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	SBUS	0.03	0.29
tblVehicleEF	SBUS	6.0720e-003	0.04
tblVehicleEF	SBUS	2.2260e-003	2.2790e-003
tblVehicleEF	SBUS	1.27	0.35
tblVehicleEF	SBUS	0.40	0.12
tblVehicleEF	SBUS	0.34	7.04
tblVehicleEF	SBUS	0.05	0.36
tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	2.1350e-003	2.1450e-003
tblVehicleEF	SBUS	3.92	24.99
tblVehicleEF	SBUS	6.39	4.07
tblVehicleEF	SBUS	0.66	0.38
tblVehicleEF	SBUS	4.5930e-003	0.03

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tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	2.7000e-005	2.3000e-005
tblVehicleEF	SBUS	4.3200e-004	0.07
tblVehicleEF	SBUS	0.13	0.51
tblVehicleEF	SBUS	0.10	0.07
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3200e-004	0.07
tblVehicleEF	SBUS	0.18	0.89
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.29
tblVehicleEF	SBUS	6.1290e-003	0.04
tblVehicleEF	SBUS	1.7760e-003	1.8190e-003
tblVehicleEF	SBUS	1.23	0.35
tblVehicleEF	SBUS	0.40	0.12
tblVehicleEF	SBUS	0.23	6.75
tblVehicleEF	SBUS	0.05	0.37
tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	2.0340e-003	2.0410e-003
tblVehicleEF	SBUS	4.03	25.55
tblVehicleEF	SBUS	5.97	3.81
tblVehicleEF	SBUS	0.65	0.38
tblVehicleEF	SBUS	3.8790e-003	0.02
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	2.7000e-005	2.3000e-005

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

tblVehicleEF	SBUS	1.1340e-003	0.12
tblVehicleEF	SBUS	0.13	0.51
tblVehicleEF	SBUS	0.10	0.07
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.1340e-003	0.12
tblVehicleEF	SBUS	0.18	0.89
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.29
tblVehicleEF	SBUS	6.0150e-003	0.04
tblVehicleEF	SBUS	2.6780e-003	2.7410e-003
tblVehicleEF	SBUS	1.33	0.35
tblVehicleEF	SBUS	0.39	0.12
tblVehicleEF	SBUS	0.47	7.43
tblVehicleEF	SBUS	0.05	0.35
tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	2.2690e-003	2.2800e-003
tblVehicleEF	SBUS	3.78	24.23
tblVehicleEF	SBUS	6.52	4.16
tblVehicleEF	SBUS	0.66	0.38
tblVehicleEF	SBUS	5.5790e-003	0.03
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	2.7000e-005	2.3000e-005
tblVehicleEF	SBUS	1.2400e-004	0.05
tblVehicleEF	SBUS	0.13	0.51
tblVehicleEF	SBUS	0.10	0.07
tblVehicleEF	SBUS	0.02	0.02

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

tblVehicleEF	SBUS	1.2400e-004	0.05
tblVehicleEF	SBUS	0.18	0.90
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	UBUS	4.73	1.89
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	0.00	22.99
tblVehicleEF	UBUS	36.90	0.70
tblVehicleEF	UBUS	2.78	0.00
tblVehicleEF	UBUS	0.31	0.20
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.41	0.23
tblVehicleEF	UBUS	0.22	0.28
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	3.0950e-003	6.6600e-004
tblVehicleEF	UBUS	3.0200e-004	3.7500e-004
tblVehicleEF	UBUS	6.9700e-004	0.14
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	0.13	0.17
tblVehicleEF	UBUS	6.9700e-004	0.14
tblVehicleEF	UBUS	4.84	1.93
tblVehicleEF	UBUS	0.14	0.18
tblVehicleEF	UBUS	4.73	1.89
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	0.00	23.00
tblVehicleEF	UBUS	36.90	0.70
tblVehicleEF	UBUS	2.22	0.00
tblVehicleEF	UBUS	0.31	0.20

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

tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.40	0.22
tblVehicleEF	UBUS	0.21	0.26
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	3.0950e-003	6.6600e-004
tblVehicleEF	UBUS	3.0200e-004	3.7500e-004
tblVehicleEF	UBUS	1.9250e-003	0.23
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	0.12	0.15
tblVehicleEF	UBUS	1.9250e-003	0.23
tblVehicleEF	UBUS	4.84	1.93
tblVehicleEF	UBUS	0.13	0.16
tblVehicleEF	UBUS	4.73	1.89
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	0.00	22.99
tblVehicleEF	UBUS	36.89	0.70
tblVehicleEF	UBUS	3.49	0.00
tblVehicleEF	UBUS	0.31	0.20
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.42	0.23
tblVehicleEF	UBUS	0.24	0.31
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	3.0950e-003	6.6600e-004
tblVehicleEF	UBUS	3.0200e-004	3.7500e-004
tblVehicleEF	UBUS	1.5400e-004	0.11
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	0.15	0.19

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

tblVehicleEF	UBUS	1.5400e-004	0.11
tblVehicleEF	UBUS	4.84	1.93
tblVehicleEF	UBUS	0.16	0.21

**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	0.2014	2.1265	1.5187	3.4700e-003	0.4487	0.0946	0.5433	0.1972	0.0876	0.2848	0.0000	311.0872	311.0872	0.0746	9.8900e-003	315.8991
<b>Maximum</b>	<b>0.2014</b>	<b>2.1265</b>	<b>1.5187</b>	<b>3.4700e-003</b>	<b>0.4487</b>	<b>0.0946</b>	<b>0.5433</b>	<b>0.1972</b>	<b>0.0876</b>	<b>0.2848</b>	<b>0.0000</b>	<b>311.0872</b>	<b>311.0872</b>	<b>0.0746</b>	<b>9.8900e-003</b>	<b>315.8991</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					
2022	0.2014	2.1265	1.5187	3.4700e-003	0.4487	0.0946	0.5433	0.1972	0.0876	0.2848	0.0000	311.0869	311.0869	0.0746	9.8900e-003	315.8988
<b>Maximum</b>	<b>0.2014</b>	<b>2.1265</b>	<b>1.5187</b>	<b>3.4700e-003</b>	<b>0.4487</b>	<b>0.0946</b>	<b>0.5433</b>	<b>0.1972</b>	<b>0.0876</b>	<b>0.2848</b>	<b>0.0000</b>	<b>311.0869</b>	<b>311.0869</b>	<b>0.0746</b>	<b>9.8900e-003</b>	<b>315.8988</b>



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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	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	1-1-2022	3-31-2022	0.9642	0.9642
2	4-1-2022	6-30-2022	1.0325	1.0325
3	7-1-2022	9-30-2022	0.3351	0.3351
		Highest	1.0325	1.0325

**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	0.7167	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0700e-003	4.0700e-003	1.0000e-005	0.0000	4.3400e-003
Energy	0.0115	0.1044	0.0877	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	452.9584	452.9584	0.0332	6.2200e-003	455.6415
Mobile	1.4914	1.0670	1.1422	9.3600e-003	0.8501	9.6200e-003	0.8597	0.2475	7.1800e-003	0.2547	0.0000	866.4483	866.4483	0.0749	0.0595	886.0544
Waste						0.0000	0.0000		0.0000	0.0000	30.9602	0.0000	30.9602	1.8297	0.0000	76.7025
Water						0.0000	0.0000		0.0000	0.0000	10.3127	30.9294	41.2421	0.0383	0.0228	48.9957
<b>Total</b>	<b>2.2196</b>	<b>1.1714</b>	<b>1.2319</b>	<b>9.9900e-003</b>	<b>0.8501</b>	<b>0.0176</b>	<b>0.8677</b>	<b>0.2475</b>	<b>0.0151</b>	<b>0.2627</b>	<b>41.2729</b>	<b>1,350.3402</b>	<b>1,391.6131</b>	<b>1.9761</b>	<b>0.0885</b>	<b>1,467.3984</b>

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.7167	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0700e-003	4.0700e-003	1.0000e-005	0.0000	4.3400e-003
Energy	0.0115	0.1044	0.0877	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	452.9584	452.9584	0.0332	6.2200e-003	455.6415
Mobile	1.4914	1.0670	1.1422	9.3600e-003	0.8501	9.6200e-003	0.8597	0.2475	7.1800e-003	0.2547	0.0000	866.4483	866.4483	0.0749	0.0595	886.0544
Waste						0.0000	0.0000		0.0000	0.0000	30.9602	0.0000	30.9602	1.8297	0.0000	76.7025
Water						0.0000	0.0000		0.0000	0.0000	10.3127	30.9294	41.2421	0.0383	0.0228	48.9957
<b>Total</b>	<b>2.2196</b>	<b>1.1714</b>	<b>1.2319</b>	<b>9.9900e-003</b>	<b>0.8501</b>	<b>0.0176</b>	<b>0.8677</b>	<b>0.2475</b>	<b>0.0151</b>	<b>0.2627</b>	<b>41.2729</b>	<b>1,350.3402</b>	<b>1,391.6131</b>	<b>1.9761</b>	<b>0.0885</b>	<b>1,467.3984</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	1/1/2022	5/10/2022	5	92	
2	Site Preparation	Site Preparation	5/11/2022	6/10/2022	5	23	
3	Grading	Grading	6/11/2022	8/2/2022	5	37	

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

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

**Acres of Grading (Grading Phase): 37**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; 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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

**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
Demolition	6	15.00	0.00	746.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,153.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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

**3.2 Demolition - 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					0.0842	0.0000	0.0842	0.0127	0.0000	0.0127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1214	1.1831	0.9473	1.7900e-003		0.0572	0.0572		0.0531	0.0531	0.0000	156.3550	156.3550	0.0439	0.0000	157.4530
<b>Total</b>	<b>0.1214</b>	<b>1.1831</b>	<b>0.9473</b>	<b>1.7900e-003</b>	<b>0.0842</b>	<b>0.0572</b>	<b>0.1413</b>	<b>0.0127</b>	<b>0.0531</b>	<b>0.0659</b>	<b>0.0000</b>	<b>156.3550</b>	<b>156.3550</b>	<b>0.0439</b>	<b>0.0000</b>	<b>157.4530</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	tons/yr										MT/yr					
Hauling	1.5300e-003	0.0687	0.0128	2.4000e-004	6.3100e-003	5.6000e-004	6.8700e-003	1.7300e-003	5.4000e-004	2.2700e-003	0.0000	23.9702	23.9702	9.6000e-004	3.8000e-003	25.1266
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	2.1300e-003	1.3800e-003	0.0174	5.0000e-005	5.0700e-003	3.0000e-005	5.1000e-003	1.3500e-003	3.0000e-005	1.3700e-003	0.0000	4.1461	4.1461	1.4000e-004	1.3000e-004	4.1871
<b>Total</b>	<b>3.6600e-003</b>	<b>0.0701</b>	<b>0.0302</b>	<b>2.9000e-004</b>	<b>0.0114</b>	<b>5.9000e-004</b>	<b>0.0120</b>	<b>3.0800e-003</b>	<b>5.7000e-004</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>28.1164</b>	<b>28.1164</b>	<b>1.1000e-003</b>	<b>3.9300e-003</b>	<b>29.3137</b>

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

**3.2 Demolition - 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	tons/yr										MT/yr					
Fugitive Dust					0.0842	0.0000	0.0842	0.0127	0.0000	0.0127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1214	1.1831	0.9473	1.7900e-003		0.0572	0.0572		0.0531	0.0531	0.0000	156.3549	156.3549	0.0439	0.0000	157.4528
<b>Total</b>	<b>0.1214</b>	<b>1.1831</b>	<b>0.9473</b>	<b>1.7900e-003</b>	<b>0.0842</b>	<b>0.0572</b>	<b>0.1413</b>	<b>0.0127</b>	<b>0.0531</b>	<b>0.0659</b>	<b>0.0000</b>	<b>156.3549</b>	<b>156.3549</b>	<b>0.0439</b>	<b>0.0000</b>	<b>157.4528</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	tons/yr										MT/yr					
Hauling	1.5300e-003	0.0687	0.0128	2.4000e-004	6.3100e-003	5.6000e-004	6.8700e-003	1.7300e-003	5.4000e-004	2.2700e-003	0.0000	23.9702	23.9702	9.6000e-004	3.8000e-003	25.1266
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	2.1300e-003	1.3800e-003	0.0174	5.0000e-005	5.0700e-003	3.0000e-005	5.1000e-003	1.3500e-003	3.0000e-005	1.3700e-003	0.0000	4.1461	4.1461	1.4000e-004	1.3000e-004	4.1871
<b>Total</b>	<b>3.6600e-003</b>	<b>0.0701</b>	<b>0.0302</b>	<b>2.9000e-004</b>	<b>0.0114</b>	<b>5.9000e-004</b>	<b>0.0120</b>	<b>3.0800e-003</b>	<b>5.7000e-004</b>	<b>3.6400e-003</b>	<b>0.0000</b>	<b>28.1164</b>	<b>28.1164</b>	<b>1.1000e-003</b>	<b>3.9300e-003</b>	<b>29.3137</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 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					0.2078	0.0000	0.2078	0.1142	0.0000	0.1142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0365	0.3805	0.2265	4.4000e-004		0.0185	0.0185		0.0171	0.0171	0.0000	38.4553	38.4553	0.0124	0.0000	38.7662
<b>Total</b>	<b>0.0365</b>	<b>0.3805</b>	<b>0.2265</b>	<b>4.4000e-004</b>	<b>0.2078</b>	<b>0.0185</b>	<b>0.2263</b>	<b>0.1142</b>	<b>0.0171</b>	<b>0.1313</b>	<b>0.0000</b>	<b>38.4553</b>	<b>38.4553</b>	<b>0.0124</b>	<b>0.0000</b>	<b>38.7662</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	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	6.4000e-004	4.2000e-004	5.2100e-003	1.0000e-005	1.5200e-003	1.0000e-005	1.5300e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.2438	1.2438	4.0000e-005	4.0000e-005	1.2561
<b>Total</b>	<b>6.4000e-004</b>	<b>4.2000e-004</b>	<b>5.2100e-003</b>	<b>1.0000e-005</b>	<b>1.5200e-003</b>	<b>1.0000e-005</b>	<b>1.5300e-003</b>	<b>4.0000e-004</b>	<b>1.0000e-005</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>1.2438</b>	<b>1.2438</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.2561</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 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	tons/yr										MT/yr					
Fugitive Dust					0.2078	0.0000	0.2078	0.1142	0.0000	0.1142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0365	0.3805	0.2265	4.4000e-004		0.0185	0.0185		0.0171	0.0171	0.0000	38.4553	38.4553	0.0124	0.0000	38.7662
<b>Total</b>	<b>0.0365</b>	<b>0.3805</b>	<b>0.2265</b>	<b>4.4000e-004</b>	<b>0.2078</b>	<b>0.0185</b>	<b>0.2263</b>	<b>0.1142</b>	<b>0.0171</b>	<b>0.1313</b>	<b>0.0000</b>	<b>38.4553</b>	<b>38.4553</b>	<b>0.0124</b>	<b>0.0000</b>	<b>38.7662</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	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	6.4000e-004	4.2000e-004	5.2100e-003	1.0000e-005	1.5200e-003	1.0000e-005	1.5300e-003	4.0000e-004	1.0000e-005	4.1000e-004	0.0000	1.2438	1.2438	4.0000e-005	4.0000e-005	1.2561
<b>Total</b>	<b>6.4000e-004</b>	<b>4.2000e-004</b>	<b>5.2100e-003</b>	<b>1.0000e-005</b>	<b>1.5200e-003</b>	<b>1.0000e-005</b>	<b>1.5300e-003</b>	<b>4.0000e-004</b>	<b>1.0000e-005</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>1.2438</b>	<b>1.2438</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.2561</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 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					0.1321	0.0000	0.1321	0.0635	0.0000	0.0635	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0361	0.3858	0.2826	5.5000e-004		0.0174	0.0174		0.0160	0.0160	0.0000	48.2013	48.2013	0.0156	0.0000	48.5911
<b>Total</b>	<b>0.0361</b>	<b>0.3858</b>	<b>0.2826</b>	<b>5.5000e-004</b>	<b>0.1321</b>	<b>0.0174</b>	<b>0.1495</b>	<b>0.0635</b>	<b>0.0160</b>	<b>0.0795</b>	<b>0.0000</b>	<b>48.2013</b>	<b>48.2013</b>	<b>0.0156</b>	<b>0.0000</b>	<b>48.5911</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	tons/yr										MT/yr					
Hauling	2.3700e-003	0.1061	0.0199	3.7000e-004	9.7500e-003	8.6000e-004	0.0106	2.6800e-003	8.3000e-004	3.5100e-003	0.0000	37.0478	37.0478	1.4900e-003	5.8700e-003	38.8351
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.6000e-004	6.9900e-003	2.0000e-005	2.0400e-003	1.0000e-005	2.0500e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.6675	1.6675	6.0000e-005	5.0000e-005	1.6839
<b>Total</b>	<b>3.2200e-003</b>	<b>0.1067</b>	<b>0.0268</b>	<b>3.9000e-004</b>	<b>0.0118</b>	<b>8.7000e-004</b>	<b>0.0127</b>	<b>3.2200e-003</b>	<b>8.4000e-004</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>38.7153</b>	<b>38.7153</b>	<b>1.5500e-003</b>	<b>5.9200e-003</b>	<b>40.5190</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 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	tons/yr										MT/yr					
Fugitive Dust					0.1321	0.0000	0.1321	0.0635	0.0000	0.0635	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0361	0.3858	0.2825	5.5000e-004		0.0174	0.0174		0.0160	0.0160	0.0000	48.2013	48.2013	0.0156	0.0000	48.5910
<b>Total</b>	<b>0.0361</b>	<b>0.3858</b>	<b>0.2825</b>	<b>5.5000e-004</b>	<b>0.1321</b>	<b>0.0174</b>	<b>0.1495</b>	<b>0.0635</b>	<b>0.0160</b>	<b>0.0795</b>	<b>0.0000</b>	<b>48.2013</b>	<b>48.2013</b>	<b>0.0156</b>	<b>0.0000</b>	<b>48.5910</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	tons/yr										MT/yr					
Hauling	2.3700e-003	0.1061	0.0199	3.7000e-004	9.7500e-003	8.6000e-004	0.0106	2.6800e-003	8.3000e-004	3.5100e-003	0.0000	37.0478	37.0478	1.4900e-003	5.8700e-003	38.8351
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	5.6000e-004	6.9900e-003	2.0000e-005	2.0400e-003	1.0000e-005	2.0500e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.6675	1.6675	6.0000e-005	5.0000e-005	1.6839
<b>Total</b>	<b>3.2200e-003</b>	<b>0.1067</b>	<b>0.0268</b>	<b>3.9000e-004</b>	<b>0.0118</b>	<b>8.7000e-004</b>	<b>0.0127</b>	<b>3.2200e-003</b>	<b>8.4000e-004</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>38.7153</b>	<b>38.7153</b>	<b>1.5500e-003</b>	<b>5.9200e-003</b>	<b>40.5190</b>

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.4914	1.0670	1.1422	9.3600e-003	0.8501	9.6200e-003	0.8597	0.2475	7.1800e-003	0.2547	0.0000	866.4483	866.4483	0.0749	0.0595	886.0544
Unmitigated	1.4914	1.0670	1.1422	9.3600e-003	0.8501	9.6200e-003	0.8597	0.2475	7.1800e-003	0.2547	0.0000	866.4483	866.4483	0.0749	0.0595	886.0544

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,597.36	362.44	114.80	2,497,017	2,497,017
Total	1,597.36	362.44	114.80	2,497,017	2,497,017

**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 Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.538353	0.056973	0.184081	0.133246	0.026575	0.006093	0.013235	0.009306	0.000942	0.000548	0.026135	0.001006	0.003507

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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	339.3618	339.3618	0.0310	4.1400e-003	341.3699
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	339.3618	339.3618	0.0310	4.1400e-003	341.3699
NaturalGas Mitigated	0.0115	0.1044	0.0877	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	113.5966	113.5966	2.1800e-003	2.0800e-003	114.2717
NaturalGas Unmitigated	0.0115	0.1044	0.0877	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	113.5966	113.5966	2.1800e-003	2.0800e-003	114.2717

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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 Office Building	2.12872e+006	0.0115	0.1044	0.0877	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	113.5966	113.5966	2.1800e-003	2.0800e-003	114.2717
<b>Total</b>		<b>0.0115</b>	<b>0.1044</b>	<b>0.0877</b>	<b>6.3000e-004</b>		<b>7.9300e-003</b>	<b>7.9300e-003</b>		<b>7.9300e-003</b>	<b>7.9300e-003</b>	<b>0.0000</b>	<b>113.5966</b>	<b>113.5966</b>	<b>2.1800e-003</b>	<b>2.0800e-003</b>	<b>114.2717</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 Office Building	2.12872e+006	0.0115	0.1044	0.0877	6.3000e-004		7.9300e-003	7.9300e-003		7.9300e-003	7.9300e-003	0.0000	113.5966	113.5966	2.1800e-003	2.0800e-003	114.2717
<b>Total</b>		<b>0.0115</b>	<b>0.1044</b>	<b>0.0877</b>	<b>6.3000e-004</b>		<b>7.9300e-003</b>	<b>7.9300e-003</b>		<b>7.9300e-003</b>	<b>7.9300e-003</b>	<b>0.0000</b>	<b>113.5966</b>	<b>113.5966</b>	<b>2.1800e-003</b>	<b>2.0800e-003</b>	<b>114.2717</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 Office Building	2.2796e+006	339.3618	0.0310	4.1400e-003	341.3699
<b>Total</b>		<b>339.3618</b>	<b>0.0310</b>	<b>4.1400e-003</b>	<b>341.3699</b>

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	2.2796e+006	339.3618	0.0310	4.1400e-003	341.3699
<b>Total</b>		<b>339.3618</b>	<b>0.0310</b>	<b>4.1400e-003</b>	<b>341.3699</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 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	0.7167	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0700e-003	4.0700e-003	1.0000e-005	0.0000	4.3400e-003
Unmitigated	0.7167	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0700e-003	4.0700e-003	1.0000e-005	0.0000	4.3400e-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	0.0760					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6405					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0700e-003	4.0700e-003	1.0000e-005	0.0000	4.3400e-003
<b>Total</b>	<b>0.7167</b>	<b>2.0000e-005</b>	<b>2.0900e-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>4.0700e-003</b>	<b>4.0700e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.3400e-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	0.0760					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6405					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	2.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.0700e-003	4.0700e-003	1.0000e-005	0.0000	4.3400e-003
<b>Total</b>	<b>0.7167</b>	<b>2.0000e-005</b>	<b>2.0900e-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>4.0700e-003</b>	<b>4.0700e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.3400e-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	41.2421	0.0383	0.0228	48.9957
Unmitigated	41.2421	0.0383	0.0228	48.9957

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	29.1483 / 17.8651	41.2421	0.0383	0.0228	48.9957
<b>Total</b>		<b>41.2421</b>	<b>0.0383</b>	<b>0.0228</b>	<b>48.9957</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 Office Building	29.1483 / 17.8651	41.2421	0.0383	0.0228	48.9957
<b>Total</b>		<b>41.2421</b>	<b>0.0383</b>	<b>0.0228</b>	<b>48.9957</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	30.9602	1.8297	0.0000	76.7025
Unmitigated	30.9602	1.8297	0.0000	76.7025

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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 Office Building	152.52	30.9602	1.8297	0.0000	76.7025
<b>Total</b>		<b>30.9602</b>	<b>1.8297</b>	<b>0.0000</b>	<b>76.7025</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	152.52	30.9602	1.8297	0.0000	76.7025
<b>Total</b>		<b>30.9602</b>	<b>1.8297</b>	<b>0.0000</b>	<b>76.7025</b>

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

**59th St SMUD Remediation & Demolition 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
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	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>		2023	
<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 - This model run estimates the emissions from trips for the operation of the Soil Vapor Extraction System and occational removal of the drums from the project site.

Land Use - This model run estimates the emissions from trips for the operation of the Soil Vapor Extraction System and occational removal of the drums from the project site.

Construction Phase - This model run estimates the emissions from trips for the operation of the Soil Vapor Extraction System and occational removal of the drums from the project site.

Off-road Equipment - Caleemod Defaults

Off-road Equipment - Caleemod Defaults

Trips and VMT -

Demolition -

Grading -

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

Vehicle Trips - Assumptions:

Workers for operating the system = 2/day = 4 daily trips

Vehicle Emission Factors - EMFAC EF 2021

Vehicle Emission Factors - EMFAC EF 2021

Vehicle Emission Factors - EMFAC EF 2021

Consumer Products - This model run estimates the emissions from trips for the operation of the Soil Vapor Extraction System and occational removal of the drums from the project site.

Area Coating -

Landscape Equipment -

Water And Wastewater -

Solid Waste -

Area Mitigation -

Operational Off-Road Equipment - Assumption to reflect occational removal of drums from the project site.

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - User Defined -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	52.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	2.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblRoadDust	CARB_PM_VMT	True	False
tblVehicleEF	HHD	0.03	0.90
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	6.64	1.08
tblVehicleEF	HHD	0.39	0.22

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

tblVehicleEF	HHD	5.0960e-003	53.04
tblVehicleEF	HHD	0.19	1.47
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.2000e-005	4.5000e-005
tblVehicleEF	HHD	6.73	53.87
tblVehicleEF	HHD	3.12	3.19
tblVehicleEF	HHD	2.67	2.70
tblVehicleEF	HHD	5.8360e-003	0.06
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	5.0000e-006
tblVehicleEF	HHD	6.0000e-006	0.03
tblVehicleEF	HHD	0.47	3.68
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	6.0000e-006	0.03
tblVehicleEF	HHD	0.54	4.93
tblVehicleEF	HHD	0.10	0.20
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.91
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	6.52	1.10
tblVehicleEF	HHD	0.39	0.22
tblVehicleEF	HHD	4.6950e-003	52.07
tblVehicleEF	HHD	0.18	1.46
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.2000e-005	4.4000e-005
tblVehicleEF	HHD	6.52	52.40

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

tblVehicleEF	HHD	2.93	2.99
tblVehicleEF	HHD	2.67	2.70
tblVehicleEF	HHD	5.0080e-003	0.05
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	5.0000e-006
tblVehicleEF	HHD	1.7000e-005	0.05
tblVehicleEF	HHD	0.49	3.86
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	1.7000e-005	0.05
tblVehicleEF	HHD	0.57	5.13
tblVehicleEF	HHD	0.10	0.20
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.89
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	6.80	1.06
tblVehicleEF	HHD	0.39	0.22
tblVehicleEF	HHD	5.6500e-003	54.39
tblVehicleEF	HHD	0.19	1.48
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.3000e-005	4.8000e-005
tblVehicleEF	HHD	7.01	55.89
tblVehicleEF	HHD	3.19	3.25
tblVehicleEF	HHD	2.67	2.70
tblVehicleEF	HHD	6.9800e-003	0.07
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.04

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

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	5.0000e-006
tblVehicleEF	HHD	1.0000e-006	0.02
tblVehicleEF	HHD	0.43	3.43
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	1.0000e-006	0.02
tblVehicleEF	HHD	0.50	4.65
tblVehicleEF	HHD	0.10	0.20
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	LDA	2.2340e-003	2.9100e-003
tblVehicleEF	LDA	0.05	0.08
tblVehicleEF	LDA	0.00	0.90
tblVehicleEF	LDA	0.64	0.03
tblVehicleEF	LDA	2.22	0.00
tblVehicleEF	LDA	4.4920e-003	5.3120e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.19	0.28
tblVehicleEF	LDA	0.04	8.0250e-003
tblVehicleEF	LDA	1.4440e-003	1.4680e-003
tblVehicleEF	LDA	1.8810e-003	2.2550e-003
tblVehicleEF	LDA	0.06	1.76
tblVehicleEF	LDA	8.6450e-003	0.01
tblVehicleEF	LDA	0.23	0.37
tblVehicleEF	LDA	0.06	1.76
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.26	0.41
tblVehicleEF	LDA	2.6410e-003	3.1780e-003



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

tblVehicleEF	LDA	0.04	0.07
tblVehicleEF	LDA	0.00	1.33
tblVehicleEF	LDA	0.82	0.03
tblVehicleEF	LDA	1.83	0.00
tblVehicleEF	LDA	4.2170e-003	4.6710e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.17	0.26
tblVehicleEF	LDA	0.04	8.0250e-003
tblVehicleEF	LDA	1.4440e-003	1.4680e-003
tblVehicleEF	LDA	1.8810e-003	2.2550e-003
tblVehicleEF	LDA	0.16	2.63
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.19	0.31
tblVehicleEF	LDA	0.16	2.63
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.21	0.34
tblVehicleEF	LDA	2.0770e-003	2.7660e-003
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.00	0.81
tblVehicleEF	LDA	0.61	0.03
tblVehicleEF	LDA	2.78	0.00
tblVehicleEF	LDA	4.8260e-003	5.8210e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.21	0.32
tblVehicleEF	LDA	0.04	8.0250e-003
tblVehicleEF	LDA	1.4440e-003	1.4680e-003
tblVehicleEF	LDA	1.8810e-003	2.2550e-003

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

tblVehicleEF	LDA	0.02	1.50
tblVehicleEF	LDA	8.1780e-003	0.01
tblVehicleEF	LDA	0.28	0.45
tblVehicleEF	LDA	0.02	1.50
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.31	0.49
tblVehicleEF	LDT1	4.7010e-003	7.4970e-003
tblVehicleEF	LDT1	0.07	0.12
tblVehicleEF	LDT1	0.00	1.73
tblVehicleEF	LDT1	1.07	0.04
tblVehicleEF	LDT1	2.42	0.00
tblVehicleEF	LDT1	6.9200e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.08	0.14
tblVehicleEF	LDT1	0.26	0.46
tblVehicleEF	LDT1	0.04	9.8690e-003
tblVehicleEF	LDT1	1.8990e-003	2.1290e-003
tblVehicleEF	LDT1	2.4400e-003	3.3350e-003
tblVehicleEF	LDT1	0.14	3.56
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.37	0.67
tblVehicleEF	LDT1	0.14	3.56
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.41	0.73
tblVehicleEF	LDT1	5.5040e-003	8.1760e-003
tblVehicleEF	LDT1	0.06	0.10
tblVehicleEF	LDT1	0.00	2.52
tblVehicleEF	LDT1	1.35	0.04
tblVehicleEF	LDT1	1.99	0.00

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

tblVehicleEF	LDT1	6.4410e-003	9.2670e-003
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.08	0.12
tblVehicleEF	LDT1	0.25	0.42
tblVehicleEF	LDT1	0.04	9.8690e-003
tblVehicleEF	LDT1	1.8990e-003	2.1290e-003
tblVehicleEF	LDT1	2.4400e-003	3.3350e-003
tblVehicleEF	LDT1	0.37	5.34
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.30	0.55
tblVehicleEF	LDT1	0.37	5.34
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.33	0.60
tblVehicleEF	LDT1	4.3950e-003	7.1500e-003
tblVehicleEF	LDT1	0.09	0.15
tblVehicleEF	LDT1	0.00	1.56
tblVehicleEF	LDT1	1.02	0.04
tblVehicleEF	LDT1	3.03	0.00
tblVehicleEF	LDT1	7.4750e-003	0.01
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.09	0.17
tblVehicleEF	LDT1	0.30	0.51
tblVehicleEF	LDT1	0.04	9.8690e-003
tblVehicleEF	LDT1	1.8990e-003	2.1290e-003
tblVehicleEF	LDT1	2.4400e-003	3.3350e-003
tblVehicleEF	LDT1	0.04	2.99
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.45	0.81
tblVehicleEF	LDT1	0.04	2.99

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

tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.49	0.88
tblVehicleEF	LDT2	3.4500e-003	3.2940e-003
tblVehicleEF	LDT2	0.07	0.09
tblVehicleEF	LDT2	0.00	1.00
tblVehicleEF	LDT2	0.87	0.03
tblVehicleEF	LDT2	2.85	0.00
tblVehicleEF	LDT2	6.3410e-003	6.6740e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.30	0.38
tblVehicleEF	LDT2	0.04	9.5000e-003
tblVehicleEF	LDT2	1.4420e-003	1.4720e-003
tblVehicleEF	LDT2	1.8230e-003	2.1750e-003
tblVehicleEF	LDT2	0.09	1.65
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.33	0.43
tblVehicleEF	LDT2	0.09	1.65
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.36	0.47
tblVehicleEF	LDT2	4.0610e-003	3.5960e-003
tblVehicleEF	LDT2	0.06	0.08
tblVehicleEF	LDT2	0.00	1.47
tblVehicleEF	LDT2	1.10	0.03
tblVehicleEF	LDT2	2.34	0.00
tblVehicleEF	LDT2	5.9270e-003	5.8770e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.28	0.35

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

tblVehicleEF	LDT2	0.04	9.5000e-003
tblVehicleEF	LDT2	1.4420e-003	1.4720e-003
tblVehicleEF	LDT2	1.8230e-003	2.1750e-003
tblVehicleEF	LDT2	0.23	2.38
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.27	0.35
tblVehicleEF	LDT2	0.23	2.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.30	0.39
tblVehicleEF	LDT2	3.2120e-003	3.1310e-003
tblVehicleEF	LDT2	0.08	0.11
tblVehicleEF	LDT2	0.00	0.90
tblVehicleEF	LDT2	0.82	0.03
tblVehicleEF	LDT2	3.58	0.00
tblVehicleEF	LDT2	6.8280e-003	7.3100e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.34	0.43
tblVehicleEF	LDT2	0.04	9.5000e-003
tblVehicleEF	LDT2	1.4420e-003	1.4720e-003
tblVehicleEF	LDT2	1.8230e-003	2.1750e-003
tblVehicleEF	LDT2	0.03	1.43
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.40	0.51
tblVehicleEF	LDT2	0.03	1.43
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.44	0.56
tblVehicleEF	LHD1	4.8800e-003	0.08
tblVehicleEF	LHD1	0.01	0.01

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

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	1.08
tblVehicleEF	LHD1	0.98	0.08
tblVehicleEF	LHD1	1.05	2.73
tblVehicleEF	LHD1	8.3500e-004	9.6770e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.83
tblVehicleEF	LHD1	1.28	1.10
tblVehicleEF	LHD1	0.32	0.43
tblVehicleEF	LHD1	9.3900e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8860e-003	9.5890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.5500e-004	2.3700e-004
tblVehicleEF	LHD1	2.9000e-003	2.09
tblVehicleEF	LHD1	0.02	0.32
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	2.9000e-003	2.09
tblVehicleEF	LHD1	0.03	0.46
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.09	0.13
tblVehicleEF	LHD1	4.8950e-003	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.18	1.11
tblVehicleEF	LHD1	1.01	0.08
tblVehicleEF	LHD1	0.97	2.73

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

tblVehicleEF	LHD1	8.3900e-004	9.7310e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.83
tblVehicleEF	LHD1	1.19	1.02
tblVehicleEF	LHD1	0.30	0.41
tblVehicleEF	LHD1	9.3900e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8860e-003	9.5890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.5500e-004	2.3700e-004
tblVehicleEF	LHD1	7.4240e-003	3.01
tblVehicleEF	LHD1	0.02	0.32
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	7.4240e-003	3.01
tblVehicleEF	LHD1	0.03	0.46
tblVehicleEF	LHD1	0.15	0.15
tblVehicleEF	LHD1	0.08	0.12
tblVehicleEF	LHD1	4.8620e-003	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	1.05
tblVehicleEF	LHD1	0.96	0.08
tblVehicleEF	LHD1	1.16	2.73
tblVehicleEF	LHD1	8.3300e-004	9.6300e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	0.08	0.83

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tblVehicleEF	LHD1	1.32	1.13
tblVehicleEF	LHD1	0.34	0.47
tblVehicleEF	LHD1	9.3900e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8860e-003	9.5890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.5500e-004	2.3700e-004
tblVehicleEF	LHD1	8.3400e-004	1.79
tblVehicleEF	LHD1	0.02	0.32
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD1	8.3400e-004	1.79
tblVehicleEF	LHD1	0.03	0.46
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.09	0.13
tblVehicleEF	LHD2	3.1980e-003	0.05
tblVehicleEF	LHD2	8.0840e-003	8.3830e-003
tblVehicleEF	LHD2	9.0150e-003	0.01
tblVehicleEF	LHD2	0.14	0.73
tblVehicleEF	LHD2	0.76	0.13
tblVehicleEF	LHD2	0.61	2.06
tblVehicleEF	LHD2	1.8130e-003	0.02
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	1.29
tblVehicleEF	LHD2	1.36	1.13
tblVehicleEF	LHD2	0.19	0.26
tblVehicleEF	LHD2	1.4350e-003	0.02
tblVehicleEF	LHD2	0.09	0.09



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tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2500e-004	1.0900e-004
tblVehicleEF	LHD2	1.4220e-003	1.02
tblVehicleEF	LHD2	0.02	0.24
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	1.4220e-003	1.02
tblVehicleEF	LHD2	0.02	0.33
tblVehicleEF	LHD2	0.15	0.16
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.2080e-003	0.05
tblVehicleEF	LHD2	8.1850e-003	8.4850e-003
tblVehicleEF	LHD2	8.4970e-003	0.01
tblVehicleEF	LHD2	0.14	0.75
tblVehicleEF	LHD2	0.77	0.13
tblVehicleEF	LHD2	0.56	2.06
tblVehicleEF	LHD2	1.8150e-003	0.02
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	1.29
tblVehicleEF	LHD2	1.27	1.05
tblVehicleEF	LHD2	0.18	0.24
tblVehicleEF	LHD2	1.4350e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2500e-004	1.0900e-004
tblVehicleEF	LHD2	3.6200e-003	1.48

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

tblVehicleEF	LHD2	0.02	0.24
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	3.6200e-003	1.48
tblVehicleEF	LHD2	0.02	0.33
tblVehicleEF	LHD2	0.15	0.16
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.1870e-003	0.05
tblVehicleEF	LHD2	7.9730e-003	8.2720e-003
tblVehicleEF	LHD2	9.6280e-003	0.01
tblVehicleEF	LHD2	0.14	0.72
tblVehicleEF	LHD2	0.75	0.13
tblVehicleEF	LHD2	0.67	2.06
tblVehicleEF	LHD2	1.8110e-003	0.02
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.11	1.29
tblVehicleEF	LHD2	1.39	1.15
tblVehicleEF	LHD2	0.21	0.28
tblVehicleEF	LHD2	1.4350e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2500e-004	1.0900e-004
tblVehicleEF	LHD2	4.2800e-004	0.88
tblVehicleEF	LHD2	0.02	0.24
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	4.2800e-004	0.88

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

tblVehicleEF	LHD2	0.02	0.33
tblVehicleEF	LHD2	0.15	0.16
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	MCY	0.34	0.20
tblVehicleEF	MCY	0.26	0.21
tblVehicleEF	MCY	0.00	15.74
tblVehicleEF	MCY	19.91	8.5180e-003
tblVehicleEF	MCY	8.95	0.00
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	1.15	0.67
tblVehicleEF	MCY	0.27	0.17
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9580e-003	1.9800e-003
tblVehicleEF	MCY	3.0640e-003	3.6000e-003
tblVehicleEF	MCY	1.40	5.35
tblVehicleEF	MCY	2.34	1.41
tblVehicleEF	MCY	1.98	1.61
tblVehicleEF	MCY	1.40	5.35
tblVehicleEF	MCY	2.87	1.67
tblVehicleEF	MCY	2.16	1.75
tblVehicleEF	MCY	0.33	0.20
tblVehicleEF	MCY	0.22	0.18
tblVehicleEF	MCY	0.00	16.00
tblVehicleEF	MCY	20.13	8.5180e-003
tblVehicleEF	MCY	8.02	0.00
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	9.6550e-003
tblVehicleEF	MCY	0.97	0.57

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

tblVehicleEF	MCY	0.25	0.16
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9580e-003	1.9800e-003
tblVehicleEF	MCY	3.0640e-003	3.6000e-003
tblVehicleEF	MCY	3.89	9.52
tblVehicleEF	MCY	2.28	1.38
tblVehicleEF	MCY	1.65	1.34
tblVehicleEF	MCY	3.89	9.52
tblVehicleEF	MCY	2.79	1.63
tblVehicleEF	MCY	1.80	1.46
tblVehicleEF	MCY	0.36	0.21
tblVehicleEF	MCY	0.32	0.26
tblVehicleEF	MCY	0.00	16.72
tblVehicleEF	MCY	21.93	8.5180e-003
tblVehicleEF	MCY	10.80	0.00
tblVehicleEF	MCY	0.07	0.05
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	1.27	0.74
tblVehicleEF	MCY	0.30	0.19
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9580e-003	1.9800e-003
tblVehicleEF	MCY	3.0640e-003	3.6000e-003
tblVehicleEF	MCY	0.27	4.04
tblVehicleEF	MCY	2.49	1.50
tblVehicleEF	MCY	2.48	2.02
tblVehicleEF	MCY	0.27	4.04
tblVehicleEF	MCY	3.04	1.76
tblVehicleEF	MCY	2.69	2.20
tblVehicleEF	MDV	4.4540e-003	5.0050e-003

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

tblVehicleEF	MDV	0.09	0.12
tblVehicleEF	MDV	0.00	1.25
tblVehicleEF	MDV	0.99	0.03
tblVehicleEF	MDV	3.29	0.00
tblVehicleEF	MDV	8.7140e-003	0.01
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.09	0.13
tblVehicleEF	MDV	0.37	0.52
tblVehicleEF	MDV	0.04	9.7770e-003
tblVehicleEF	MDV	1.5480e-003	1.5980e-003
tblVehicleEF	MDV	1.9510e-003	2.3550e-003
tblVehicleEF	MDV	0.11	2.13
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.43	0.62
tblVehicleEF	MDV	0.11	2.13
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.47	0.68
tblVehicleEF	MDV	5.2520e-003	5.4780e-003
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.00	1.83
tblVehicleEF	MDV	1.25	0.03
tblVehicleEF	MDV	2.69	0.00
tblVehicleEF	MDV	8.2080e-003	9.0950e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.34	0.48
tblVehicleEF	MDV	0.04	9.7770e-003
tblVehicleEF	MDV	1.5480e-003	1.5980e-003
tblVehicleEF	MDV	1.9510e-003	2.3550e-003

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

tblVehicleEF	MDV	0.28	3.01
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.36	0.51
tblVehicleEF	MDV	0.28	3.01
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.39	0.56
tblVehicleEF	MDV	4.1650e-003	4.7780e-003
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.00	1.13
tblVehicleEF	MDV	0.94	0.03
tblVehicleEF	MDV	4.14	0.00
tblVehicleEF	MDV	9.3080e-003	0.01
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.15
tblVehicleEF	MDV	0.41	0.59
tblVehicleEF	MDV	0.04	9.7770e-003
tblVehicleEF	MDV	1.5480e-003	1.5980e-003
tblVehicleEF	MDV	1.9510e-003	2.3550e-003
tblVehicleEF	MDV	0.03	1.87
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.52	0.74
tblVehicleEF	MDV	0.03	1.87
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.57	0.82
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.00	1.31
tblVehicleEF	MH	1.23	0.07
tblVehicleEF	MH	2.15	0.00

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

tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.62	1.67
tblVehicleEF	MH	0.25	0.31
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	2.6200e-004	3.0700e-004
tblVehicleEF	MH	1.01	3.61
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	1.01	3.61
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.11	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.00	1.36
tblVehicleEF	MH	1.27	0.07
tblVehicleEF	MH	1.94	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.49	1.54
tblVehicleEF	MH	0.23	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	2.6200e-004	3.0700e-004
tblVehicleEF	MH	2.59	5.35
tblVehicleEF	MH	0.08	0.09

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

tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	2.59	5.35
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.00	1.26
tblVehicleEF	MH	1.18	0.07
tblVehicleEF	MH	2.42	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.67	1.73
tblVehicleEF	MH	0.27	0.33
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	2.6200e-004	3.0700e-004
tblVehicleEF	MH	0.30	3.05
tblVehicleEF	MH	0.08	0.08
tblVehicleEF	MH	0.11	0.13
tblVehicleEF	MH	0.30	3.05
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MHD	4.3960e-003	0.22
tblVehicleEF	MHD	2.6650e-003	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.58	0.63
tblVehicleEF	MHD	0.33	0.19
tblVehicleEF	MHD	1.33	9.31



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tblVehicleEF	MHD	0.02	0.31
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	8.1560e-003	7.3870e-003
tblVehicleEF	MHD	1.22	14.68
tblVehicleEF	MHD	1.73	1.98
tblVehicleEF	MHD	1.59	1.28
tblVehicleEF	MHD	1.9100e-003	0.03
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	8.6060e-003	0.02
tblVehicleEF	MHD	1.2600e-004	1.3000e-004
tblVehicleEF	MHD	8.1000e-004	0.80
tblVehicleEF	MHD	0.03	0.45
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	8.1000e-004	0.80
tblVehicleEF	MHD	0.04	0.73
tblVehicleEF	MHD	0.03	0.08
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	MHD	4.1540e-003	0.22
tblVehicleEF	MHD	2.7400e-003	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.49	0.65
tblVehicleEF	MHD	0.34	0.19
tblVehicleEF	MHD	1.23	7.98
tblVehicleEF	MHD	0.02	0.32
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	7.9060e-003	7.1610e-003
tblVehicleEF	MHD	1.22	14.64
tblVehicleEF	MHD	1.61	1.85

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

tblVehicleEF	MHD	1.58	1.27
tblVehicleEF	MHD	1.6160e-003	0.03
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	8.6060e-003	0.02
tblVehicleEF	MHD	1.2600e-004	1.3000e-004
tblVehicleEF	MHD	2.0910e-003	1.33
tblVehicleEF	MHD	0.03	0.43
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	2.0910e-003	1.33
tblVehicleEF	MHD	0.04	0.71
tblVehicleEF	MHD	0.03	0.08
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	4.6320e-003	0.22
tblVehicleEF	MHD	2.5820e-003	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.67	0.61
tblVehicleEF	MHD	0.32	0.19
tblVehicleEF	MHD	1.48	10.74
tblVehicleEF	MHD	0.02	0.31
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	8.6160e-003	7.8040e-003
tblVehicleEF	MHD	1.21	14.75
tblVehicleEF	MHD	1.76	2.02
tblVehicleEF	MHD	1.60	1.29
tblVehicleEF	MHD	2.3170e-003	0.04
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	8.6060e-003	0.02
tblVehicleEF	MHD	1.2600e-004	1.3000e-004

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

tblVehicleEF	MHD	2.3300e-004	0.67
tblVehicleEF	MHD	0.03	0.46
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	MHD	2.3300e-004	0.67
tblVehicleEF	MHD	0.04	0.76
tblVehicleEF	MHD	0.03	0.07
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	OBUS	7.9010e-003	0.27
tblVehicleEF	OBUS	7.1450e-003	0.05
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.62	1.40
tblVehicleEF	OBUS	0.82	0.19
tblVehicleEF	OBUS	2.45	7.79
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.37	3.94
tblVehicleEF	OBUS	1.45	1.56
tblVehicleEF	OBUS	0.93	0.78
tblVehicleEF	OBUS	1.2300e-004	0.01
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0470e-003	0.04
tblVehicleEF	OBUS	1.6700e-004	1.7600e-004
tblVehicleEF	OBUS	2.2060e-003	2.00
tblVehicleEF	OBUS	0.05	0.74
tblVehicleEF	OBUS	0.04	0.11
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	2.2060e-003	2.00

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tblVehicleEF	OBUS	0.07	1.13
tblVehicleEF	OBUS	0.06	0.18
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	8.0000e-003	0.27
tblVehicleEF	OBUS	7.3740e-003	0.05
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.61	1.45
tblVehicleEF	OBUS	0.85	0.19
tblVehicleEF	OBUS	2.20	7.68
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.35	3.79
tblVehicleEF	OBUS	1.34	1.45
tblVehicleEF	OBUS	0.91	0.76
tblVehicleEF	OBUS	1.0900e-004	8.7790e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0470e-003	0.04
tblVehicleEF	OBUS	1.6700e-004	1.7600e-004
tblVehicleEF	OBUS	5.5670e-003	3.16
tblVehicleEF	OBUS	0.05	0.75
tblVehicleEF	OBUS	0.04	0.11
tblVehicleEF	OBUS	0.11	0.12
tblVehicleEF	OBUS	5.5670e-003	3.16
tblVehicleEF	OBUS	0.07	1.14
tblVehicleEF	OBUS	0.06	0.18
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	7.7740e-003	0.27
tblVehicleEF	OBUS	6.8870e-003	0.05

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

tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.62	1.36
tblVehicleEF	OBUS	0.80	0.19
tblVehicleEF	OBUS	2.74	7.93
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.39	4.13
tblVehicleEF	OBUS	1.50	1.61
tblVehicleEF	OBUS	0.95	0.80
tblVehicleEF	OBUS	1.4200e-004	0.01
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0470e-003	0.04
tblVehicleEF	OBUS	1.6700e-004	1.7600e-004
tblVehicleEF	OBUS	7.5700e-004	1.76
tblVehicleEF	OBUS	0.05	0.72
tblVehicleEF	OBUS	0.04	0.11
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	7.5700e-004	1.76
tblVehicleEF	OBUS	0.06	1.11
tblVehicleEF	OBUS	0.06	0.18
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	SBUS	0.03	0.29
tblVehicleEF	SBUS	6.0720e-003	0.04
tblVehicleEF	SBUS	2.2260e-003	2.2790e-003
tblVehicleEF	SBUS	1.27	0.35
tblVehicleEF	SBUS	0.40	0.12
tblVehicleEF	SBUS	0.34	7.04
tblVehicleEF	SBUS	0.05	0.36

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

tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	2.1350e-003	2.1450e-003
tblVehicleEF	SBUS	3.92	24.99
tblVehicleEF	SBUS	6.39	4.07
tblVehicleEF	SBUS	0.66	0.38
tblVehicleEF	SBUS	4.5930e-003	0.03
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	2.7000e-005	2.3000e-005
tblVehicleEF	SBUS	4.3200e-004	0.07
tblVehicleEF	SBUS	0.13	0.51
tblVehicleEF	SBUS	0.10	0.07
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3200e-004	0.07
tblVehicleEF	SBUS	0.18	0.89
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.29
tblVehicleEF	SBUS	6.1290e-003	0.04
tblVehicleEF	SBUS	1.7760e-003	1.8190e-003
tblVehicleEF	SBUS	1.23	0.35
tblVehicleEF	SBUS	0.40	0.12
tblVehicleEF	SBUS	0.23	6.75
tblVehicleEF	SBUS	0.05	0.37
tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	2.0340e-003	2.0410e-003
tblVehicleEF	SBUS	4.03	25.55
tblVehicleEF	SBUS	5.97	3.81

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

tblVehicleEF	SBUS	0.65	0.38
tblVehicleEF	SBUS	3.8790e-003	0.02
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	2.7000e-005	2.3000e-005
tblVehicleEF	SBUS	1.1340e-003	0.12
tblVehicleEF	SBUS	0.13	0.51
tblVehicleEF	SBUS	0.10	0.07
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.1340e-003	0.12
tblVehicleEF	SBUS	0.18	0.89
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.29
tblVehicleEF	SBUS	6.0150e-003	0.04
tblVehicleEF	SBUS	2.6780e-003	2.7410e-003
tblVehicleEF	SBUS	1.33	0.35
tblVehicleEF	SBUS	0.39	0.12
tblVehicleEF	SBUS	0.47	7.43
tblVehicleEF	SBUS	0.05	0.35
tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	2.2690e-003	2.2800e-003
tblVehicleEF	SBUS	3.78	24.23
tblVehicleEF	SBUS	6.52	4.16
tblVehicleEF	SBUS	0.66	0.38
tblVehicleEF	SBUS	5.5790e-003	0.03
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01

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

tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	2.7000e-005	2.3000e-005
tblVehicleEF	SBUS	1.2400e-004	0.05
tblVehicleEF	SBUS	0.13	0.51
tblVehicleEF	SBUS	0.10	0.07
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	1.2400e-004	0.05
tblVehicleEF	SBUS	0.18	0.90
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	UBUS	4.73	1.89
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	0.00	22.99
tblVehicleEF	UBUS	36.90	0.70
tblVehicleEF	UBUS	2.78	0.00
tblVehicleEF	UBUS	0.31	0.20
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.41	0.23
tblVehicleEF	UBUS	0.22	0.28
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	3.0950e-003	6.6600e-004
tblVehicleEF	UBUS	3.0200e-004	3.7500e-004
tblVehicleEF	UBUS	6.9700e-004	0.14
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	0.13	0.17
tblVehicleEF	UBUS	6.9700e-004	0.14
tblVehicleEF	UBUS	4.84	1.93
tblVehicleEF	UBUS	0.14	0.18



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

tblVehicleEF	UBUS	4.73	1.89
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	0.00	23.00
tblVehicleEF	UBUS	36.90	0.70
tblVehicleEF	UBUS	2.22	0.00
tblVehicleEF	UBUS	0.31	0.20
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.40	0.22
tblVehicleEF	UBUS	0.21	0.26
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	3.0950e-003	6.6600e-004
tblVehicleEF	UBUS	3.0200e-004	3.7500e-004
tblVehicleEF	UBUS	1.9250e-003	0.23
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	0.12	0.15
tblVehicleEF	UBUS	1.9250e-003	0.23
tblVehicleEF	UBUS	4.84	1.93
tblVehicleEF	UBUS	0.13	0.16
tblVehicleEF	UBUS	4.73	1.89
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	0.00	22.99
tblVehicleEF	UBUS	36.89	0.70
tblVehicleEF	UBUS	3.49	0.00
tblVehicleEF	UBUS	0.31	0.20
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.42	0.23
tblVehicleEF	UBUS	0.24	0.31
tblVehicleEF	UBUS	0.08	0.11

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

tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	3.0950e-003	6.6600e-004
tblVehicleEF	UBUS	3.0200e-004	3.7500e-004
tblVehicleEF	UBUS	1.5400e-004	0.11
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	0.15	0.19
tblVehicleEF	UBUS	1.5400e-004	0.11
tblVehicleEF	UBUS	4.84	1.93
tblVehicleEF	UBUS	0.16	0.21
tblVehicleTrips	CC_TL	5.00	0.00
tblVehicleTrips	CNW_TL	6.50	0.00
tblVehicleTrips	CW_TL	10.00	5.00
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	WD_TR	0.00	4.00

**2.0 Emissions Summary**

	ROG	NOx	CO	SO2	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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	3.4800e-003	2.3800e-003	2.6700e-003	2.0000e-005	1.7700e-003	2.0000e-005	1.7900e-003	5.2000e-004	2.0000e-005	5.3000e-004	0.0000	1.8133	1.8133	1.7000e-004	1.3000e-004	1.8564
Offroad	3.9400e-003	0.0294	0.0288	1.0000e-004		1.2200e-003	1.2200e-003		1.1300e-003	1.1300e-003	0.0000	8.4200	8.4200	2.7200e-003	0.0000	8.4881
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.4200e-003</b>	<b>0.0318</b>	<b>0.0315</b>	<b>1.2000e-004</b>	<b>1.7700e-003</b>	<b>1.2400e-003</b>	<b>3.0100e-003</b>	<b>5.2000e-004</b>	<b>1.1500e-003</b>	<b>1.6600e-003</b>	<b>0.0000</b>	<b>10.2333</b>	<b>10.2333</b>	<b>2.8900e-003</b>	<b>1.3000e-004</b>	<b>10.3445</b>

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	3.4800e-003	2.3800e-003	2.6700e-003	2.0000e-005	1.7700e-003	2.0000e-005	1.7900e-003	5.2000e-004	2.0000e-005	5.3000e-004	0.0000	1.8133	1.8133	1.7000e-004	1.3000e-004	1.8564
Offroad	3.9400e-003	0.0294	0.0288	1.0000e-004		1.2200e-003	1.2200e-003		1.1300e-003	1.1300e-003	0.0000	8.4200	8.4200	2.7200e-003	0.0000	8.4881
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.4200e-003</b>	<b>0.0318</b>	<b>0.0315</b>	<b>1.2000e-004</b>	<b>1.7700e-003</b>	<b>1.2400e-003</b>	<b>3.0100e-003</b>	<b>5.2000e-004</b>	<b>1.1500e-003</b>	<b>1.6600e-003</b>	<b>0.0000</b>	<b>10.2333</b>	<b>10.2333</b>	<b>2.8900e-003</b>	<b>1.3000e-004</b>	<b>10.3445</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	1/1/2022	12/31/2021	5	0	

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; 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		8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

**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	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.4800e-003	2.3800e-003	2.6700e-003	2.0000e-005	1.7700e-003	2.0000e-005	1.7900e-003	5.2000e-004	2.0000e-005	5.3000e-004	0.0000	1.8133	1.8133	1.7000e-004	1.3000e-004	1.8564
Unmitigated	3.4800e-003	2.3800e-003	2.6700e-003	2.0000e-005	1.7700e-003	2.0000e-005	1.7900e-003	5.2000e-004	2.0000e-005	5.3000e-004	0.0000	1.8133	1.8133	1.7000e-004	1.3000e-004	1.8564

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Commercial	4.00	0.00	0.00	5,200	5,200
Total	4.00	0.00	0.00	5,200	5,200

**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
User Defined Commercial	5.00	0.00	0.00	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Commercial	0.538353	0.056973	0.184081	0.133246	0.026575	0.006093	0.013235	0.009306	0.000942	0.000548	0.026135	0.001006	0.003507

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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	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000





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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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 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	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

**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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>

59th St SMUD Remediation & Demolition 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**

**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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</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	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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			
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

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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			
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Off-Highway Trucks	1	2.00	52	402	0.38	Diesel

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

Forklifts	:	1	:	2.00	:	52	:	89	:	0.20	Diesel
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**UnMitigated/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
Equipment Type	tons/yr										MT/yr					
Forklifts	6.7000e-004	6.2400e-003	7.4400e-003	1.0000e-005		3.9000e-004	3.9000e-004		3.5000e-004	3.5000e-004	0.0000	0.8729	0.8729	2.8000e-004	0.0000	0.8800
Off-Highway Trucks	3.2800e-003	0.0232	0.0214	9.0000e-005		8.4000e-004	8.4000e-004		7.7000e-004	7.7000e-004	0.0000	7.5471	7.5471	2.4400e-003	0.0000	7.6081
<b>Total</b>	<b>3.9500e-003</b>	<b>0.0294</b>	<b>0.0288</b>	<b>1.0000e-004</b>		<b>1.2300e-003</b>	<b>1.2300e-003</b>		<b>1.1200e-003</b>	<b>1.1200e-003</b>	<b>0.0000</b>	<b>8.4200</b>	<b>8.4200</b>	<b>2.7200e-003</b>	<b>0.0000</b>	<b>8.4881</b>

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: County

Region: Sacramento

Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	Mdlyr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Gasoline Fuel Consumption 1,000 gallons/day	Diesel Fuel Consumption 1,000 gallons/day	
Sacramento	2023	All Other Buses	Aggregate	Aggregate	Diesel	441.8933981	23985.31633	3932.851243		2.757535986	
Sacramento	2023	LDA	Aggregate	Aggregate	Gasoline	495444.1701	18039887.07	2281180.251	638.6074247		
Sacramento	2023	LDA	Aggregate	Aggregate	Diesel	1769.287004	49567.53532	7436.325494		1.165550411	
Sacramento	2023	LDT1	Aggregate	Aggregate	Gasoline	51757.60145	1638073.93	226418.361	68.8387086		
Sacramento	2023	LDT1	Aggregate	Aggregate	Diesel	22.46667839	220.5179675	65.86888325		0.009286284	
Sacramento	2023	LDT2	Aggregate	Aggregate	Gasoline	228403.2253	8495404.827	1060056.933	373.3642939		
Sacramento	2023	LDT2	Aggregate	Aggregate	Diesel	679.0245062	27268.58614	3236.922363		0.863859996	
Sacramento	2023	LHD1	Aggregate	Aggregate	Gasoline	22155.05196	799046.8465	330077.2632	85.58677233		
Sacramento	2023	LHD1	Aggregate	Aggregate	Diesel	14671.09562	526752.0562	184543.9266		33.089278	
Sacramento	2023	LHD2	Aggregate	Aggregate	Gasoline	3045.460441	112067.808	45372.82283	13.22343861		
Sacramento	2023	LHD2	Aggregate	Aggregate	Diesel	5346.107267	205156.685	67247.30402		15.64887072	
Sacramento	2023	MCY	Aggregate	Aggregate	Gasoline	26514.78147	144289.6764	53029.56295	3.626193831		
Sacramento	2023	MDV	Aggregate	Aggregate	Gasoline	152542.1845	5255571.978	693643.2016	282.9352746		
Sacramento	2023	MDV	Aggregate	Aggregate	Diesel	2515.788667	96735.43455	11867.336		4.0148166	
Sacramento	2023	MH	Aggregate	Aggregate	Gasoline	3022.815755	26989.34608	302.4024881	6.118641374		
Sacramento	2023	MH	Aggregate	Aggregate	Diesel	1095.708158	9957.28339	109.5708158		1.058887405	
Sacramento	2023	Motor Coach	Aggregate	Aggregate	Diesel	89.59023085	12764.35123	2058.783505		2.331006482	
Sacramento	2023	OBUS	Aggregate	Aggregate	Gasoline	574.4716321	25896.30414	11494.02842	5.527012459		
Sacramento	2023	PTO	Aggregate	Aggregate	Diesel	0	23404.72635	0		4.778570408	
Sacramento	2023	SBUS	Aggregate	Aggregate	Gasoline	120.9148204	6315.478693	483.6592817	0.63334159		
Sacramento	2023	SBUS	Aggregate	Aggregate	Diesel	972.1958834	21728.71122	14077.39639		2.694974062	
Sacramento	2023	T6 CAIRP heavy	Aggregate	Aggregate	Diesel	80.13620367	16713.62692	1841.52996		1.745805579	
Sacramento	2023	T6 CAIRP small	Aggregate	Aggregate	Diesel	72.11616795	4425.642389	1657.229539		0.495323219	
Sacramento	2023	T6 instate heavy	Aggregate	Aggregate	Diesel	1633.83366	89533.52404	19377.96276		10.16311324	
Sacramento	2023	T6 instate small	Aggregate	Aggregate	Diesel	7965.527408	326911.5528	98482.78784		38.80222692	
Sacramento	2023	T6 OOS heavy	Aggregate	Aggregate	Diesel	38.42317455	9796.348156	882.9645512		1.01786931	
Sacramento	2023	T6 OOS small	Aggregate	Aggregate	Diesel	36.71096631	2238.720571	843.6180057		0.250357767	
Sacramento	2023	T6 Public	Aggregate	Aggregate	Diesel	4491.580688	178967.562	23041.80893		23.19246639	
Sacramento	2023	T6 Utility	Aggregate	Aggregate	Diesel	56.73562577	2384.893053	726.2160098		0.270125694	
Sacramento	2023	T6TS	Aggregate	Aggregate	Gasoline	2215.29793	103973.1424	44323.68099	22.79801483		
Sacramento	2023	T7 CAIRP	Aggregate	Aggregate	Diesel	889.6146071	182809.9278	20443.34367		30.22730892	
Sacramento	2023	T7 NNOOS	Aggregate	Aggregate	Diesel	783.830347	214143.7714	18012.42137		35.09673363	
Sacramento	2023	T7 NOOS	Aggregate	Aggregate	Diesel	328.5107547	77864.25524	7549.177142		12.90225626	
Sacramento	2023	T7 Other Port	Aggregate	Aggregate	Diesel	10.39265381	1950.223327	170.0238163		0.328994482	
Sacramento	2023	T7 POAK	Aggregate	Aggregate	Diesel	35.6059965	3581.20567	582.5141028		0.614981073	
Sacramento	2023	T7 Public	Aggregate	Aggregate	Diesel	4131.712528	176901.6009	21195.68527		34.1854416	
Sacramento	2023	T7 Single	Aggregate	Aggregate	Diesel	1898.126775	114681.8777	17880.35422		19.6678101	
Sacramento	2023	T7 SWCV	Aggregate	Aggregate	Diesel	336.5565231	21830.32743	1548.160006		9.241104522	
Sacramento	2023	T7 Tractor	Aggregate	Aggregate	Diesel	917.7542763	74396.80266	13334.96964		12.25004566	
Sacramento	2023	T7 Utility	Aggregate	Aggregate	Diesel	28.11364139	1303.119454	359.8546098		0.22515094	
Sacramento	2023	T7IS	Aggregate	Aggregate	Gasoline	11.89239273	256.3291227	237.9429938	0.080301689		
Sacramento	2023	UBUS	Aggregate	Aggregate	Gasoline	174.4403396	13233.03572	697.7613583	2.816401635		
Sacramento	2023	UBUS	Aggregate	Aggregate	Diesel	6.407902334	308.7276784	25.63160933		0.032343806	
									<b>1504.16</b>	<b>299.12</b>	
						TOTAL	37,159,291			20.6	0.05
						Total (Gas)	34,661,006			23.0	0.04
						Total (Diesel)	2,498,285			8.4	0.12
						<b>Annual VMT</b>	5,200				
							<b>Mix (%)</b>	<b>Miles</b>	<b>Gallons</b>		
						Gas	98.8%	5,138	223		
						Diesel	1.2%	62	7		



**Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
All Project Land Uses	0.556441	0.056316	0.182404	0.123746	0.022308	0.005587	0.013387	0.00952	0.000843	0.000625	0.025098	0.000893	0.002832

Gas 98.8%  
 Diesel 1.2%

**Off-Road Equipment**

Equipment	Type Number Hours/Day Days/Year	hours	Days per year	Horse power	Load Factor	Fuel	Average Daily Factor	Diesel Usage
Forklifts	1	2	52	89	0.2	diesel	0.6	1111
Off-Highway Truck	1	2	52	402	0.38	diesel	0.6	9532

**Construction Energy Summary**

**Construction Fuel Usage Summary**

	Diesel	Diesel	Diesel	Gasoline
Construction Year	Off-road Equipment (gallons)	On-road (gallons)	Off-road & On-road (gallons)	On-road (gallons)
<b>Phase 1</b>				
2022	15,122	6,290	21,411	1,008
Sub Total	15,122	6,290	21,411	1,008

<b>Total Gasoline</b>	<b>1,008</b>	<b>gallons</b>
<b>Total Diesel</b>	<b>21,411</b>	<b>gallons</b>

## Energy Calculations Summary

### Operational Fuel Use Summary

<b>Fuel Type</b>	<b>Fleet Mix (%)</b>	<b>Gallons per Mile</b>	<b>Annual VMT</b>	<b>Gallons</b>
Gasoline	98.81%	0.04	5,200	223
Diesel	1.19%	0.12		10,650

#### Notes:

1. Fleet mix calculated from CalEEMod default values.
2. Gallons per mile calculated from EMFAC 2021.
3. Annual VMT obtained from CalEEMod output file.

**Phase 1 Construction Offroad Equipment**

**2022**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/	1	8	81	0.73	92	0.6	1,306
Demolition	Excavators	3	8	158	0.38	92	0.6	3,977
Demolition	Rubber Tire	2	8	247	0.4	92	0.6	4,363
Site Preparation	Rubber Tire	3	8	247	0.4	23	0.6	1,636
Site Preparation	Tractors/Ld	4	8	97	0.37	23	0.6	792
Grading	Excavators	1	8	158	0.38	37	0.6	533
Grading	Graders	1	8	187	0.41	37	0.6	681
Grading	Rubber Tire	1	8	247	0.4	37	0.6	877
Grading	Tractors/Ld	3	8	97	0.37	37	0.6	956
<b>Sub Total</b>								<b>15,122</b>

	Year	Start Date	End Date	Network Days
Demolition	2022	2022/01/01	2022/05/10	92
Site Preparation	2022	2022/05/11	2022/06/10	23
Grading	2022	2022/06/11	2022/08/02	37

**Trips and VMT**  
**2022**

Phase Name	Daily Worker Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Hauling Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Total gallons of gasoline	Total gallons of diesel
Site Preparation	18	92	1656	0	0	10.00	6.50	20.00	16560	0	0	653	0
Grading	15	23	345	0	1153	10.00	6.50	20.00	3450	0	23060	136	3,819
Demolition	15	37	555	0	746	10.00	6.50	20.00	5550	0	14920	219	2,471
<b>Sub Total</b>											<b>1,008</b>	<b>6,290</b>	

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: Air District

Region: Sacramento Metropolitan AQMD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Sacrament	2022	LDA	Aggregate	Aggregate	Gasoline	498280.3185	17917435.6	2295902.336	644.537125	0.00	27.80	25.35	6.04
Sacrament	2022	LDT1	Aggregate	Aggregate	Gasoline	53385.04527	1674043.998	234015.9091	71.26492603	0.00	23.49		
Sacrament	2022	LDT2	Aggregate	Aggregate	Gasoline	223889.1265	8219931.936	1039827.381	368.4103964	0.00	22.31		
Sacrament	2022	T7 Tractor	Aggregate	Aggregate	Diesel	874.6914234	72842.33002	12709.26638	0.00	12.06334267	6.04		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor and haul trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**59th St SMUD Remediation & Demolition Project**

**Sacramento Metropolitan AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	164.00	1000sqft	3.76	164,000.00	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>	2023
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MW hr)</b>	328.2	<b>CH4 Intensity (lb/MW hr)</b>	0.03	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics - The intensity factor was scaled using SMUD's 2020 power mix and its CalEEMod default intensity factor.

This model run is used for estimating construction emissions only and the operational analysis is not used/relevant.

Land Use - Shops Building 29,000sf  
 Warehouse Building 105,000 sf  
 Tool Issue Building 20,000 sf  
 Salvage Building 3,500 sf  
 HazMat Building 6,500 sf

Construction Phase - Site preparation and grading phases in CalEEMod are used to represent remediation of contaminated soil.

Off-road Equipment - Caleemod Defaults

Off-road Equipment - Caleemod Defaults

Off-road Equipment - Caleemod Defaults

Trips and VMT -

Demolition - All the buildings (164 ksf) are proposed to be demolished.

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

Grading - Estimated contaminated soil to be exported out- 10,000 cubic yards

Vehicle Emission Factors - EMFAC EF 2021

Vehicle Emission Factors - EMFAC EF 2021

Vehicle Emission Factors - EMFAC EF 2021

Area Coating -

Water And Wastewater -

Solid Waste -

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	92.00
tblConstructionPhase	NumDays	8.00	37.00
tblConstructionPhase	NumDays	5.00	23.00
tblGrading	AcresOfGrading	34.50	0.00
tblGrading	MaterialExported	0.00	10,000.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.03
tblProjectCharacteristics	CO2IntensityFactor	357.98	328.2
tblRoadDust	CARB_PM_VMT	True	False
tblVehicleEF	HHD	0.03	0.90
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	6.64	1.08
tblVehicleEF	HHD	0.39	0.22
tblVehicleEF	HHD	5.0960e-003	53.04
tblVehicleEF	HHD	0.19	1.47
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.2000e-005	4.5000e-005
tblVehicleEF	HHD	6.73	53.87
tblVehicleEF	HHD	3.12	3.19



59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

tblVehicleEF	HHD	2.67	2.70
tblVehicleEF	HHD	5.8360e-003	0.06
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	5.0000e-006
tblVehicleEF	HHD	6.0000e-006	0.03
tblVehicleEF	HHD	0.47	3.68
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	6.0000e-006	0.03
tblVehicleEF	HHD	0.54	4.93
tblVehicleEF	HHD	0.10	0.20
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.91
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	6.52	1.10
tblVehicleEF	HHD	0.39	0.22
tblVehicleEF	HHD	4.6950e-003	52.07
tblVehicleEF	HHD	0.18	1.46
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.2000e-005	4.4000e-005
tblVehicleEF	HHD	6.52	52.40
tblVehicleEF	HHD	2.93	2.99
tblVehicleEF	HHD	2.67	2.70
tblVehicleEF	HHD	5.0080e-003	0.05
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03

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

tblVehicleEF	HHD	1.0000e-006	5.0000e-006
tblVehicleEF	HHD	1.7000e-005	0.05
tblVehicleEF	HHD	0.49	3.86
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	1.7000e-005	0.05
tblVehicleEF	HHD	0.57	5.13
tblVehicleEF	HHD	0.10	0.20
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.89
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	6.80	1.06
tblVehicleEF	HHD	0.39	0.22
tblVehicleEF	HHD	5.6500e-003	54.39
tblVehicleEF	HHD	0.19	1.48
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.3000e-005	4.8000e-005
tblVehicleEF	HHD	7.01	55.89
tblVehicleEF	HHD	3.19	3.25
tblVehicleEF	HHD	2.67	2.70
tblVehicleEF	HHD	6.9800e-003	0.07
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	5.0000e-006
tblVehicleEF	HHD	1.0000e-006	0.02
tblVehicleEF	HHD	0.43	3.43
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	2.0000e-006	0.00

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

tblVehicleEF	HHD	1.0000e-006	0.02
tblVehicleEF	HHD	0.50	4.65
tblVehicleEF	HHD	0.10	0.20
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	LDA	2.2340e-003	2.9100e-003
tblVehicleEF	LDA	0.05	0.08
tblVehicleEF	LDA	0.00	0.90
tblVehicleEF	LDA	0.64	0.03
tblVehicleEF	LDA	2.22	0.00
tblVehicleEF	LDA	4.4920e-003	5.3120e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.19	0.28
tblVehicleEF	LDA	0.04	8.0250e-003
tblVehicleEF	LDA	1.4440e-003	1.4680e-003
tblVehicleEF	LDA	1.8810e-003	2.2550e-003
tblVehicleEF	LDA	0.06	1.76
tblVehicleEF	LDA	8.6450e-003	0.01
tblVehicleEF	LDA	0.23	0.37
tblVehicleEF	LDA	0.06	1.76
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.26	0.41
tblVehicleEF	LDA	2.6410e-003	3.1780e-003
tblVehicleEF	LDA	0.04	0.07
tblVehicleEF	LDA	0.00	1.33
tblVehicleEF	LDA	0.82	0.03
tblVehicleEF	LDA	1.83	0.00
tblVehicleEF	LDA	4.2170e-003	4.6710e-003
tblVehicleEF	LDA	0.02	0.03

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

tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.17	0.26
tblVehicleEF	LDA	0.04	8.0250e-003
tblVehicleEF	LDA	1.4440e-003	1.4680e-003
tblVehicleEF	LDA	1.8810e-003	2.2550e-003
tblVehicleEF	LDA	0.16	2.63
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.19	0.31
tblVehicleEF	LDA	0.16	2.63
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.21	0.34
tblVehicleEF	LDA	2.0770e-003	2.7660e-003
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.00	0.81
tblVehicleEF	LDA	0.61	0.03
tblVehicleEF	LDA	2.78	0.00
tblVehicleEF	LDA	4.8260e-003	5.8210e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.21	0.32
tblVehicleEF	LDA	0.04	8.0250e-003
tblVehicleEF	LDA	1.4440e-003	1.4680e-003
tblVehicleEF	LDA	1.8810e-003	2.2550e-003
tblVehicleEF	LDA	0.02	1.50
tblVehicleEF	LDA	8.1780e-003	0.01
tblVehicleEF	LDA	0.28	0.45
tblVehicleEF	LDA	0.02	1.50
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.31	0.49

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

tblVehicleEF	LDT1	4.7010e-003	7.4970e-003
tblVehicleEF	LDT1	0.07	0.12
tblVehicleEF	LDT1	0.00	1.73
tblVehicleEF	LDT1	1.07	0.04
tblVehicleEF	LDT1	2.42	0.00
tblVehicleEF	LDT1	6.9200e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.08	0.14
tblVehicleEF	LDT1	0.26	0.46
tblVehicleEF	LDT1	0.04	9.8690e-003
tblVehicleEF	LDT1	1.8990e-003	2.1290e-003
tblVehicleEF	LDT1	2.4400e-003	3.3350e-003
tblVehicleEF	LDT1	0.14	3.56
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.37	0.67
tblVehicleEF	LDT1	0.14	3.56
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.41	0.73
tblVehicleEF	LDT1	5.5040e-003	8.1760e-003
tblVehicleEF	LDT1	0.06	0.10
tblVehicleEF	LDT1	0.00	2.52
tblVehicleEF	LDT1	1.35	0.04
tblVehicleEF	LDT1	1.99	0.00
tblVehicleEF	LDT1	6.4410e-003	9.2670e-003
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.08	0.12
tblVehicleEF	LDT1	0.25	0.42
tblVehicleEF	LDT1	0.04	9.8690e-003
tblVehicleEF	LDT1	1.8990e-003	2.1290e-003

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

tblVehicleEF	LDT1	2.4400e-003	3.3350e-003
tblVehicleEF	LDT1	0.37	5.34
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.30	0.55
tblVehicleEF	LDT1	0.37	5.34
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.33	0.60
tblVehicleEF	LDT1	4.3950e-003	7.1500e-003
tblVehicleEF	LDT1	0.09	0.15
tblVehicleEF	LDT1	0.00	1.56
tblVehicleEF	LDT1	1.02	0.04
tblVehicleEF	LDT1	3.03	0.00
tblVehicleEF	LDT1	7.4750e-003	0.01
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.09	0.17
tblVehicleEF	LDT1	0.30	0.51
tblVehicleEF	LDT1	0.04	9.8690e-003
tblVehicleEF	LDT1	1.8990e-003	2.1290e-003
tblVehicleEF	LDT1	2.4400e-003	3.3350e-003
tblVehicleEF	LDT1	0.04	2.99
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.45	0.81
tblVehicleEF	LDT1	0.04	2.99
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.49	0.88
tblVehicleEF	LDT2	3.4500e-003	3.2940e-003
tblVehicleEF	LDT2	0.07	0.09
tblVehicleEF	LDT2	0.00	1.00
tblVehicleEF	LDT2	0.87	0.03

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

tblVehicleEF	LDT2	2.85	0.00
tblVehicleEF	LDT2	6.3410e-003	6.6740e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.30	0.38
tblVehicleEF	LDT2	0.04	9.5000e-003
tblVehicleEF	LDT2	1.4420e-003	1.4720e-003
tblVehicleEF	LDT2	1.8230e-003	2.1750e-003
tblVehicleEF	LDT2	0.09	1.65
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.33	0.43
tblVehicleEF	LDT2	0.09	1.65
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.36	0.47
tblVehicleEF	LDT2	4.0610e-003	3.5960e-003
tblVehicleEF	LDT2	0.06	0.08
tblVehicleEF	LDT2	0.00	1.47
tblVehicleEF	LDT2	1.10	0.03
tblVehicleEF	LDT2	2.34	0.00
tblVehicleEF	LDT2	5.9270e-003	5.8770e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.28	0.35
tblVehicleEF	LDT2	0.04	9.5000e-003
tblVehicleEF	LDT2	1.4420e-003	1.4720e-003
tblVehicleEF	LDT2	1.8230e-003	2.1750e-003
tblVehicleEF	LDT2	0.23	2.38
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.27	0.35

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

tblVehicleEF	LDT2	0.23	2.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.30	0.39
tblVehicleEF	LDT2	3.2120e-003	3.1310e-003
tblVehicleEF	LDT2	0.08	0.11
tblVehicleEF	LDT2	0.00	0.90
tblVehicleEF	LDT2	0.82	0.03
tblVehicleEF	LDT2	3.58	0.00
tblVehicleEF	LDT2	6.8280e-003	7.3100e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.34	0.43
tblVehicleEF	LDT2	0.04	9.5000e-003
tblVehicleEF	LDT2	1.4420e-003	1.4720e-003
tblVehicleEF	LDT2	1.8230e-003	2.1750e-003
tblVehicleEF	LDT2	0.03	1.43
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.40	0.51
tblVehicleEF	LDT2	0.03	1.43
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.44	0.56
tblVehicleEF	LHD1	4.8800e-003	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	1.08
tblVehicleEF	LHD1	0.98	0.08
tblVehicleEF	LHD1	1.05	2.73
tblVehicleEF	LHD1	8.3500e-004	9.6770e-003
tblVehicleEF	LHD1	0.05	0.05



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

tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.83
tblVehicleEF	LHD1	1.28	1.10
tblVehicleEF	LHD1	0.32	0.43
tblVehicleEF	LHD1	9.3900e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8860e-003	9.5890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.5500e-004	2.3700e-004
tblVehicleEF	LHD1	2.9000e-003	2.09
tblVehicleEF	LHD1	0.02	0.32
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	2.9000e-003	2.09
tblVehicleEF	LHD1	0.03	0.46
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.09	0.13
tblVehicleEF	LHD1	4.8950e-003	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.18	1.11
tblVehicleEF	LHD1	1.01	0.08
tblVehicleEF	LHD1	0.97	2.73
tblVehicleEF	LHD1	8.3900e-004	9.7310e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.83
tblVehicleEF	LHD1	1.19	1.02
tblVehicleEF	LHD1	0.30	0.41

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

tblVehicleEF	LHD1	9.3900e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8860e-003	9.5890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.5500e-004	2.3700e-004
tblVehicleEF	LHD1	7.4240e-003	3.01
tblVehicleEF	LHD1	0.02	0.32
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	7.4240e-003	3.01
tblVehicleEF	LHD1	0.03	0.46
tblVehicleEF	LHD1	0.15	0.15
tblVehicleEF	LHD1	0.08	0.12
tblVehicleEF	LHD1	4.8620e-003	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	1.05
tblVehicleEF	LHD1	0.96	0.08
tblVehicleEF	LHD1	1.16	2.73
tblVehicleEF	LHD1	8.3300e-004	9.6300e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	0.08	0.83
tblVehicleEF	LHD1	1.32	1.13
tblVehicleEF	LHD1	0.34	0.47
tblVehicleEF	LHD1	9.3900e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8860e-003	9.5890e-003
tblVehicleEF	LHD1	0.02	0.02

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

tblVehicleEF	LHD1	2.5500e-004	2.3700e-004
tblVehicleEF	LHD1	8.3400e-004	1.79
tblVehicleEF	LHD1	0.02	0.32
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD1	8.3400e-004	1.79
tblVehicleEF	LHD1	0.03	0.46
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.09	0.13
tblVehicleEF	LHD2	3.1980e-003	0.05
tblVehicleEF	LHD2	8.0840e-003	8.3830e-003
tblVehicleEF	LHD2	9.0150e-003	0.01
tblVehicleEF	LHD2	0.14	0.73
tblVehicleEF	LHD2	0.76	0.13
tblVehicleEF	LHD2	0.61	2.06
tblVehicleEF	LHD2	1.8130e-003	0.02
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	1.29
tblVehicleEF	LHD2	1.36	1.13
tblVehicleEF	LHD2	0.19	0.26
tblVehicleEF	LHD2	1.4350e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2500e-004	1.0900e-004
tblVehicleEF	LHD2	1.4220e-003	1.02
tblVehicleEF	LHD2	0.02	0.24
tblVehicleEF	LHD2	0.13	0.14

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

tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	1.4220e-003	1.02
tblVehicleEF	LHD2	0.02	0.33
tblVehicleEF	LHD2	0.15	0.16
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.2080e-003	0.05
tblVehicleEF	LHD2	8.1850e-003	8.4850e-003
tblVehicleEF	LHD2	8.4970e-003	0.01
tblVehicleEF	LHD2	0.14	0.75
tblVehicleEF	LHD2	0.77	0.13
tblVehicleEF	LHD2	0.56	2.06
tblVehicleEF	LHD2	1.8150e-003	0.02
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	1.29
tblVehicleEF	LHD2	1.27	1.05
tblVehicleEF	LHD2	0.18	0.24
tblVehicleEF	LHD2	1.4350e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2500e-004	1.0900e-004
tblVehicleEF	LHD2	3.6200e-003	1.48
tblVehicleEF	LHD2	0.02	0.24
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	3.6200e-003	1.48
tblVehicleEF	LHD2	0.02	0.33
tblVehicleEF	LHD2	0.15	0.16

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

tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.1870e-003	0.05
tblVehicleEF	LHD2	7.9730e-003	8.2720e-003
tblVehicleEF	LHD2	9.6280e-003	0.01
tblVehicleEF	LHD2	0.14	0.72
tblVehicleEF	LHD2	0.75	0.13
tblVehicleEF	LHD2	0.67	2.06
tblVehicleEF	LHD2	1.8110e-003	0.02
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.11	1.29
tblVehicleEF	LHD2	1.39	1.15
tblVehicleEF	LHD2	0.21	0.28
tblVehicleEF	LHD2	1.4350e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2500e-004	1.0900e-004
tblVehicleEF	LHD2	4.2800e-004	0.88
tblVehicleEF	LHD2	0.02	0.24
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	4.2800e-004	0.88
tblVehicleEF	LHD2	0.02	0.33
tblVehicleEF	LHD2	0.15	0.16
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	MCY	0.34	0.20
tblVehicleEF	MCY	0.26	0.21
tblVehicleEF	MCY	0.00	15.74

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

tblVehicleEF	MCY	19.91	8.5180e-003
tblVehicleEF	MCY	8.95	0.00
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	1.15	0.67
tblVehicleEF	MCY	0.27	0.17
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9580e-003	1.9800e-003
tblVehicleEF	MCY	3.0640e-003	3.6000e-003
tblVehicleEF	MCY	1.40	5.35
tblVehicleEF	MCY	2.34	1.41
tblVehicleEF	MCY	1.98	1.61
tblVehicleEF	MCY	1.40	5.35
tblVehicleEF	MCY	2.87	1.67
tblVehicleEF	MCY	2.16	1.75
tblVehicleEF	MCY	0.33	0.20
tblVehicleEF	MCY	0.22	0.18
tblVehicleEF	MCY	0.00	16.00
tblVehicleEF	MCY	20.13	8.5180e-003
tblVehicleEF	MCY	8.02	0.00
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	9.6550e-003
tblVehicleEF	MCY	0.97	0.57
tblVehicleEF	MCY	0.25	0.16
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9580e-003	1.9800e-003
tblVehicleEF	MCY	3.0640e-003	3.6000e-003
tblVehicleEF	MCY	3.89	9.52
tblVehicleEF	MCY	2.28	1.38

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

tblVehicleEF	MCY	1.65	1.34
tblVehicleEF	MCY	3.89	9.52
tblVehicleEF	MCY	2.79	1.63
tblVehicleEF	MCY	1.80	1.46
tblVehicleEF	MCY	0.36	0.21
tblVehicleEF	MCY	0.32	0.26
tblVehicleEF	MCY	0.00	16.72
tblVehicleEF	MCY	21.93	8.5180e-003
tblVehicleEF	MCY	10.80	0.00
tblVehicleEF	MCY	0.07	0.05
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	1.27	0.74
tblVehicleEF	MCY	0.30	0.19
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9580e-003	1.9800e-003
tblVehicleEF	MCY	3.0640e-003	3.6000e-003
tblVehicleEF	MCY	0.27	4.04
tblVehicleEF	MCY	2.49	1.50
tblVehicleEF	MCY	2.48	2.02
tblVehicleEF	MCY	0.27	4.04
tblVehicleEF	MCY	3.04	1.76
tblVehicleEF	MCY	2.69	2.20
tblVehicleEF	MDV	4.4540e-003	5.0050e-003
tblVehicleEF	MDV	0.09	0.12
tblVehicleEF	MDV	0.00	1.25
tblVehicleEF	MDV	0.99	0.03
tblVehicleEF	MDV	3.29	0.00
tblVehicleEF	MDV	8.7140e-003	0.01
tblVehicleEF	MDV	0.04	0.04

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

tblVehicleEF	MDV	0.09	0.13
tblVehicleEF	MDV	0.37	0.52
tblVehicleEF	MDV	0.04	9.7770e-003
tblVehicleEF	MDV	1.5480e-003	1.5980e-003
tblVehicleEF	MDV	1.9510e-003	2.3550e-003
tblVehicleEF	MDV	0.11	2.13
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.43	0.62
tblVehicleEF	MDV	0.11	2.13
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.47	0.68
tblVehicleEF	MDV	5.2520e-003	5.4780e-003
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.00	1.83
tblVehicleEF	MDV	1.25	0.03
tblVehicleEF	MDV	2.69	0.00
tblVehicleEF	MDV	8.2080e-003	9.0950e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.34	0.48
tblVehicleEF	MDV	0.04	9.7770e-003
tblVehicleEF	MDV	1.5480e-003	1.5980e-003
tblVehicleEF	MDV	1.9510e-003	2.3550e-003
tblVehicleEF	MDV	0.28	3.01
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.36	0.51
tblVehicleEF	MDV	0.28	3.01
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.39	0.56



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

tblVehicleEF	MDV	4.1650e-003	4.7780e-003
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.00	1.13
tblVehicleEF	MDV	0.94	0.03
tblVehicleEF	MDV	4.14	0.00
tblVehicleEF	MDV	9.3080e-003	0.01
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.15
tblVehicleEF	MDV	0.41	0.59
tblVehicleEF	MDV	0.04	9.7770e-003
tblVehicleEF	MDV	1.5480e-003	1.5980e-003
tblVehicleEF	MDV	1.9510e-003	2.3550e-003
tblVehicleEF	MDV	0.03	1.87
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.52	0.74
tblVehicleEF	MDV	0.03	1.87
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.57	0.82
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.00	1.31
tblVehicleEF	MH	1.23	0.07
tblVehicleEF	MH	2.15	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.62	1.67
tblVehicleEF	MH	0.25	0.31
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01

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

tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	2.6200e-004	3.0700e-004
tblVehicleEF	MH	1.01	3.61
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	1.01	3.61
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.11	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.00	1.36
tblVehicleEF	MH	1.27	0.07
tblVehicleEF	MH	1.94	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.49	1.54
tblVehicleEF	MH	0.23	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	2.6200e-004	3.0700e-004
tblVehicleEF	MH	2.59	5.35
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	2.59	5.35
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03

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

tblVehicleEF	MH	0.00	1.26
tblVehicleEF	MH	1.18	0.07
tblVehicleEF	MH	2.42	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.67	1.73
tblVehicleEF	MH	0.27	0.33
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	2.6200e-004	3.0700e-004
tblVehicleEF	MH	0.30	3.05
tblVehicleEF	MH	0.08	0.08
tblVehicleEF	MH	0.11	0.13
tblVehicleEF	MH	0.30	3.05
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MHD	4.3960e-003	0.22
tblVehicleEF	MHD	2.6650e-003	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.58	0.63
tblVehicleEF	MHD	0.33	0.19
tblVehicleEF	MHD	1.33	9.31
tblVehicleEF	MHD	0.02	0.31
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	8.1560e-003	7.3870e-003
tblVehicleEF	MHD	1.22	14.68
tblVehicleEF	MHD	1.73	1.98
tblVehicleEF	MHD	1.59	1.28

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

tblVehicleEF	MHD	1.9100e-003	0.03
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	8.6060e-003	0.02
tblVehicleEF	MHD	1.2600e-004	1.3000e-004
tblVehicleEF	MHD	8.1000e-004	0.80
tblVehicleEF	MHD	0.03	0.45
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	8.1000e-004	0.80
tblVehicleEF	MHD	0.04	0.73
tblVehicleEF	MHD	0.03	0.08
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	MHD	4.1540e-003	0.22
tblVehicleEF	MHD	2.7400e-003	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.49	0.65
tblVehicleEF	MHD	0.34	0.19
tblVehicleEF	MHD	1.23	7.98
tblVehicleEF	MHD	0.02	0.32
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	7.9060e-003	7.1610e-003
tblVehicleEF	MHD	1.22	14.64
tblVehicleEF	MHD	1.61	1.85
tblVehicleEF	MHD	1.58	1.27
tblVehicleEF	MHD	1.6160e-003	0.03
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	8.6060e-003	0.02
tblVehicleEF	MHD	1.2600e-004	1.3000e-004
tblVehicleEF	MHD	2.0910e-003	1.33

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

tblVehicleEF	MHD	0.03	0.43
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	2.0910e-003	1.33
tblVehicleEF	MHD	0.04	0.71
tblVehicleEF	MHD	0.03	0.08
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	4.6320e-003	0.22
tblVehicleEF	MHD	2.5820e-003	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.67	0.61
tblVehicleEF	MHD	0.32	0.19
tblVehicleEF	MHD	1.48	10.74
tblVehicleEF	MHD	0.02	0.31
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	8.6160e-003	7.8040e-003
tblVehicleEF	MHD	1.21	14.75
tblVehicleEF	MHD	1.76	2.02
tblVehicleEF	MHD	1.60	1.29
tblVehicleEF	MHD	2.3170e-003	0.04
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	8.6060e-003	0.02
tblVehicleEF	MHD	1.2600e-004	1.3000e-004
tblVehicleEF	MHD	2.3300e-004	0.67
tblVehicleEF	MHD	0.03	0.46
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	MHD	2.3300e-004	0.67
tblVehicleEF	MHD	0.04	0.76

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

tblVehicleEF	MHD	0.03	0.07
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	OBUS	7.9010e-003	0.27
tblVehicleEF	OBUS	7.1450e-003	0.05
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.62	1.40
tblVehicleEF	OBUS	0.82	0.19
tblVehicleEF	OBUS	2.45	7.79
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.37	3.94
tblVehicleEF	OBUS	1.45	1.56
tblVehicleEF	OBUS	0.93	0.78
tblVehicleEF	OBUS	1.2300e-004	0.01
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0470e-003	0.04
tblVehicleEF	OBUS	1.6700e-004	1.7600e-004
tblVehicleEF	OBUS	2.2060e-003	2.00
tblVehicleEF	OBUS	0.05	0.74
tblVehicleEF	OBUS	0.04	0.11
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	2.2060e-003	2.00
tblVehicleEF	OBUS	0.07	1.13
tblVehicleEF	OBUS	0.06	0.18
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	8.0000e-003	0.27
tblVehicleEF	OBUS	7.3740e-003	0.05
tblVehicleEF	OBUS	0.02	0.02

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

tblVehicleEF	OBUS	0.61	1.45
tblVehicleEF	OBUS	0.85	0.19
tblVehicleEF	OBUS	2.20	7.68
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.35	3.79
tblVehicleEF	OBUS	1.34	1.45
tblVehicleEF	OBUS	0.91	0.76
tblVehicleEF	OBUS	1.0900e-004	8.7790e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0470e-003	0.04
tblVehicleEF	OBUS	1.6700e-004	1.7600e-004
tblVehicleEF	OBUS	5.5670e-003	3.16
tblVehicleEF	OBUS	0.05	0.75
tblVehicleEF	OBUS	0.04	0.11
tblVehicleEF	OBUS	0.11	0.12
tblVehicleEF	OBUS	5.5670e-003	3.16
tblVehicleEF	OBUS	0.07	1.14
tblVehicleEF	OBUS	0.06	0.18
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	7.7740e-003	0.27
tblVehicleEF	OBUS	6.8870e-003	0.05
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.62	1.36
tblVehicleEF	OBUS	0.80	0.19
tblVehicleEF	OBUS	2.74	7.93
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.13	0.14

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

tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.39	4.13
tblVehicleEF	OBUS	1.50	1.61
tblVehicleEF	OBUS	0.95	0.80
tblVehicleEF	OBUS	1.4200e-004	0.01
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0470e-003	0.04
tblVehicleEF	OBUS	1.6700e-004	1.7600e-004
tblVehicleEF	OBUS	7.5700e-004	1.76
tblVehicleEF	OBUS	0.05	0.72
tblVehicleEF	OBUS	0.04	0.11
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	7.5700e-004	1.76
tblVehicleEF	OBUS	0.06	1.11
tblVehicleEF	OBUS	0.06	0.18
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	SBUS	0.03	0.29
tblVehicleEF	SBUS	6.0720e-003	0.04
tblVehicleEF	SBUS	2.2260e-003	2.2790e-003
tblVehicleEF	SBUS	1.27	0.35
tblVehicleEF	SBUS	0.40	0.12
tblVehicleEF	SBUS	0.34	7.04
tblVehicleEF	SBUS	0.05	0.36
tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	2.1350e-003	2.1450e-003
tblVehicleEF	SBUS	3.92	24.99
tblVehicleEF	SBUS	6.39	4.07
tblVehicleEF	SBUS	0.66	0.38
tblVehicleEF	SBUS	4.5930e-003	0.03



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

tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	2.7000e-005	2.3000e-005
tblVehicleEF	SBUS	4.3200e-004	0.07
tblVehicleEF	SBUS	0.13	0.51
tblVehicleEF	SBUS	0.10	0.07
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3200e-004	0.07
tblVehicleEF	SBUS	0.18	0.89
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.29
tblVehicleEF	SBUS	6.1290e-003	0.04
tblVehicleEF	SBUS	1.7760e-003	1.8190e-003
tblVehicleEF	SBUS	1.23	0.35
tblVehicleEF	SBUS	0.40	0.12
tblVehicleEF	SBUS	0.23	6.75
tblVehicleEF	SBUS	0.05	0.37
tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	2.0340e-003	2.0410e-003
tblVehicleEF	SBUS	4.03	25.55
tblVehicleEF	SBUS	5.97	3.81
tblVehicleEF	SBUS	0.65	0.38
tblVehicleEF	SBUS	3.8790e-003	0.02
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	2.7000e-005	2.3000e-005

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

tblVehicleEF	SBUS	1.1340e-003	0.12
tblVehicleEF	SBUS	0.13	0.51
tblVehicleEF	SBUS	0.10	0.07
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.1340e-003	0.12
tblVehicleEF	SBUS	0.18	0.89
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.29
tblVehicleEF	SBUS	6.0150e-003	0.04
tblVehicleEF	SBUS	2.6780e-003	2.7410e-003
tblVehicleEF	SBUS	1.33	0.35
tblVehicleEF	SBUS	0.39	0.12
tblVehicleEF	SBUS	0.47	7.43
tblVehicleEF	SBUS	0.05	0.35
tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	2.2690e-003	2.2800e-003
tblVehicleEF	SBUS	3.78	24.23
tblVehicleEF	SBUS	6.52	4.16
tblVehicleEF	SBUS	0.66	0.38
tblVehicleEF	SBUS	5.5790e-003	0.03
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	2.7000e-005	2.3000e-005
tblVehicleEF	SBUS	1.2400e-004	0.05
tblVehicleEF	SBUS	0.13	0.51
tblVehicleEF	SBUS	0.10	0.07
tblVehicleEF	SBUS	0.02	0.02

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

tblVehicleEF	SBUS	1.2400e-004	0.05
tblVehicleEF	SBUS	0.18	0.90
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	UBUS	4.73	1.89
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	0.00	22.99
tblVehicleEF	UBUS	36.90	0.70
tblVehicleEF	UBUS	2.78	0.00
tblVehicleEF	UBUS	0.31	0.20
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.41	0.23
tblVehicleEF	UBUS	0.22	0.28
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	3.0950e-003	6.6600e-004
tblVehicleEF	UBUS	3.0200e-004	3.7500e-004
tblVehicleEF	UBUS	6.9700e-004	0.14
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	0.13	0.17
tblVehicleEF	UBUS	6.9700e-004	0.14
tblVehicleEF	UBUS	4.84	1.93
tblVehicleEF	UBUS	0.14	0.18
tblVehicleEF	UBUS	4.73	1.89
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	0.00	23.00
tblVehicleEF	UBUS	36.90	0.70
tblVehicleEF	UBUS	2.22	0.00
tblVehicleEF	UBUS	0.31	0.20

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.40	0.22
tblVehicleEF	UBUS	0.21	0.26
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	3.0950e-003	6.6600e-004
tblVehicleEF	UBUS	3.0200e-004	3.7500e-004
tblVehicleEF	UBUS	1.9250e-003	0.23
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	0.12	0.15
tblVehicleEF	UBUS	1.9250e-003	0.23
tblVehicleEF	UBUS	4.84	1.93
tblVehicleEF	UBUS	0.13	0.16
tblVehicleEF	UBUS	4.73	1.89
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	0.00	22.99
tblVehicleEF	UBUS	36.89	0.70
tblVehicleEF	UBUS	3.49	0.00
tblVehicleEF	UBUS	0.31	0.20
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.42	0.23
tblVehicleEF	UBUS	0.24	0.31
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	3.0950e-003	6.6600e-004
tblVehicleEF	UBUS	3.0200e-004	3.7500e-004
tblVehicleEF	UBUS	1.5400e-004	0.11
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	0.15	0.19

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

tblVehicleEF	UBUS	1.5400e-004	0.11
tblVehicleEF	UBUS	4.84	1.93
tblVehicleEF	UBUS	0.16	0.21

**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	3.2353	33.1164	21.3139	0.0510	18.2032	1.6133	19.8165	9.9670	1.4843	11.4513	0.0000	5,188.2943	5,188.2943	1.1961	0.3527	5,318.9243
Maximum	3.2353	33.1164	21.3139	0.0510	18.2032	1.6133	19.8165	9.9670	1.4843	11.4513	0.0000	5,188.2943	5,188.2943	1.1961	0.3527	5,318.9243

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	lb/day										lb/day					
2022	3.2353	33.1164	21.3139	0.0510	18.2032	1.6133	19.8165	9.9670	1.4843	11.4513	0.0000	5,188.2943	5,188.2943	1.1961	0.3527	5,318.9243
Maximum	3.2353	33.1164	21.3139	0.0510	18.2032	1.6133	19.8165	9.9670	1.4843	11.4513	0.0000	5,188.2943	5,188.2943	1.1961	0.3527	5,318.9243



59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.9277	1.5000e-004	0.0167	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0359	0.0359	9.0000e-005		0.0383
Energy	0.0629	0.5718	0.4803	3.4300e-003		0.0435	0.0435		0.0435	0.0435		686.1305	686.1305	0.0132	0.0126	690.2079
Mobile	14.5180	7.2190	9.7791	0.0730	6.4086	0.0694	6.4780	1.8551	0.0521	1.9072		7,443.2424	7,443.2424	0.5546	0.4546	7,592.5860
<b>Total</b>	<b>18.5085</b>	<b>7.7910</b>	<b>10.2762</b>	<b>0.0765</b>	<b>6.4086</b>	<b>0.1129</b>	<b>6.5215</b>	<b>1.8551</b>	<b>0.0956</b>	<b>1.9508</b>		<b>8,129.4088</b>	<b>8,129.4088</b>	<b>0.5679</b>	<b>0.4672</b>	<b>8,282.8321</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	3.9277	1.5000e-004	0.0167	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0359	0.0359	9.0000e-005		0.0383
Energy	0.0629	0.5718	0.4803	3.4300e-003		0.0435	0.0435		0.0435	0.0435		686.1305	686.1305	0.0132	0.0126	690.2079
Mobile	14.5180	7.2190	9.7791	0.0730	6.4086	0.0694	6.4780	1.8551	0.0521	1.9072		7,443.2424	7,443.2424	0.5546	0.4546	7,592.5860
<b>Total</b>	<b>18.5085</b>	<b>7.7910</b>	<b>10.2762</b>	<b>0.0765</b>	<b>6.4086</b>	<b>0.1129</b>	<b>6.5215</b>	<b>1.8551</b>	<b>0.0956</b>	<b>1.9508</b>		<b>8,129.4088</b>	<b>8,129.4088</b>	<b>0.5679</b>	<b>0.4672</b>	<b>8,282.8321</b>

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	5/10/2022	5	92	
2	Site Preparation	Site Preparation	5/11/2022	6/10/2022	5	23	
3	Grading	Grading	6/11/2022	8/2/2022	5	37	

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

**Acres of Grading (Grading Phase): 37**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; 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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40



59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
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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
Demolition	6	15.00	0.00	746.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,153.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 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					1.8294	0.0000	1.8294	0.2770	0.0000	0.2770			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>1.8294</b>	<b>1.2427</b>	<b>3.0721</b>	<b>0.2770</b>	<b>1.1553</b>	<b>1.4323</b>		<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</b>

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.0337	1.4097	0.2768	5.2700e-003	0.1414	0.0122	0.1536	0.0387	0.0116	0.0504		574.3711	574.3711	0.0231	0.0910	602.0789
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	0.0543	0.0274	0.4430	1.0800e-003	0.1141	6.2000e-004	0.1147	0.0303	5.7000e-004	0.0308		108.9082	108.9082	3.2500e-003	2.8300e-003	109.8337
<b>Total</b>	<b>0.0880</b>	<b>1.4371</b>	<b>0.7198</b>	<b>6.3500e-003</b>	<b>0.2555</b>	<b>0.0128</b>	<b>0.2683</b>	<b>0.0690</b>	<b>0.0122</b>	<b>0.0812</b>		<b>683.2793</b>	<b>683.2793</b>	<b>0.0263</b>	<b>0.0939</b>	<b>711.9126</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	lb/day										lb/day					
Fugitive Dust					1.8294	0.0000	1.8294	0.2770	0.0000	0.2770			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>1.8294</b>	<b>1.2427</b>	<b>3.0721</b>	<b>0.2770</b>	<b>1.1553</b>	<b>1.4323</b>	<b>0.0000</b>	<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</b>

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.2 Demolition - 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	lb/day										lb/day					
Hauling	0.0337	1.4097	0.2768	5.2700e-003	0.1414	0.0122	0.1536	0.0387	0.0116	0.0504		574.3711	574.3711	0.0231	0.0910	602.0789
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	0.0543	0.0274	0.4430	1.0800e-003	0.1141	6.2000e-004	0.1147	0.0303	5.7000e-004	0.0308		108.9082	108.9082	3.2500e-003	2.8300e-003	109.8337
<b>Total</b>	<b>0.0880</b>	<b>1.4371</b>	<b>0.7198</b>	<b>6.3500e-003</b>	<b>0.2555</b>	<b>0.0128</b>	<b>0.2683</b>	<b>0.0690</b>	<b>0.0122</b>	<b>0.0812</b>		<b>683.2793</b>	<b>683.2793</b>	<b>0.0263</b>	<b>0.0939</b>	<b>711.9126</b>

**3.3 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			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>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.3 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	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	0.0652	0.0329	0.5316	1.2900e-003	0.1369	7.4000e-004	0.1377	0.0363	6.8000e-004	0.0370		130.6898	130.6898	3.9000e-003	3.4000e-003	131.8004
<b>Total</b>	<b>0.0652</b>	<b>0.0329</b>	<b>0.5316</b>	<b>1.2900e-003</b>	<b>0.1369</b>	<b>7.4000e-004</b>	<b>0.1377</b>	<b>0.0363</b>	<b>6.8000e-004</b>	<b>0.0370</b>		<b>130.6898</b>	<b>130.6898</b>	<b>3.9000e-003</b>	<b>3.4000e-003</b>	<b>131.8004</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	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			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>18.0663</b>	<b>1.6126</b>	<b>19.6788</b>	<b>9.9307</b>	<b>1.4836</b>	<b>11.4143</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.3 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	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	0.0652	0.0329	0.5316	1.2900e-003	0.1369	7.4000e-004	0.1377	0.0363	6.8000e-004	0.0370		130.6898	130.6898	3.9000e-003	3.4000e-003	131.8004
<b>Total</b>	<b>0.0652</b>	<b>0.0329</b>	<b>0.5316</b>	<b>1.2900e-003</b>	<b>0.1369</b>	<b>7.4000e-004</b>	<b>0.1377</b>	<b>0.0363</b>	<b>6.8000e-004</b>	<b>0.0370</b>		<b>130.6898</b>	<b>130.6898</b>	<b>3.9000e-003</b>	<b>3.4000e-003</b>	<b>131.8004</b>

**3.4 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					7.1385	0.0000	7.1385	3.4332	0.0000	3.4332			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>7.1385</b>	<b>0.9409</b>	<b>8.0793</b>	<b>3.4332</b>	<b>0.8656</b>	<b>4.2988</b>		<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.4 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	lb/day										lb/day					
Hauling	0.1295	5.4174	1.0637	0.0203	0.5436	0.0467	0.5902	0.1489	0.0447	0.1935		2,207.3397	2,207.3397	0.0887	0.3499	2,313.8223
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	0.0543	0.0274	0.4430	1.0800e-003	0.1141	6.2000e-004	0.1147	0.0303	5.7000e-004	0.0308		108.9082	108.9082	3.2500e-003	2.8300e-003	109.8337
<b>Total</b>	<b>0.1838</b>	<b>5.4448</b>	<b>1.5067</b>	<b>0.0213</b>	<b>0.6577</b>	<b>0.0473</b>	<b>0.7050</b>	<b>0.1791</b>	<b>0.0452</b>	<b>0.2244</b>		<b>2,316.2479</b>	<b>2,316.2479</b>	<b>0.0919</b>	<b>0.3527</b>	<b>2,423.6560</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	lb/day										lb/day					
Fugitive Dust					7.1385	0.0000	7.1385	3.4332	0.0000	3.4332			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>7.1385</b>	<b>0.9409</b>	<b>8.0793</b>	<b>3.4332</b>	<b>0.8656</b>	<b>4.2988</b>	<b>0.0000</b>	<b>2,872.0464</b>	<b>2,872.0464</b>	<b>0.9289</b>		<b>2,895.2684</b>

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.4 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	lb/day										lb/day					
Hauling	0.1295	5.4174	1.0637	0.0203	0.5436	0.0467	0.5902	0.1489	0.0447	0.1935		2,207.3397	2,207.3397	0.0887	0.3499	2,313.8223
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	0.0543	0.0274	0.4430	1.0800e-003	0.1141	6.2000e-004	0.1147	0.0303	5.7000e-004	0.0308		108.9082	108.9082	3.2500e-003	2.8300e-003	109.8337
<b>Total</b>	<b>0.1838</b>	<b>5.4448</b>	<b>1.5067</b>	<b>0.0213</b>	<b>0.6577</b>	<b>0.0473</b>	<b>0.7050</b>	<b>0.1791</b>	<b>0.0452</b>	<b>0.2244</b>		<b>2,316.2479</b>	<b>2,316.2479</b>	<b>0.0919</b>	<b>0.3527</b>	<b>2,423.6560</b>

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	14.5180	7.2190	9.7791	0.0730	6.4086	0.0694	6.4780	1.8551	0.0521	1.9072		7,443.2424	7,443.2424	0.5546	0.4546	7,592.5860
Unmitigated	14.5180	7.2190	9.7791	0.0730	6.4086	0.0694	6.4780	1.8551	0.0521	1.9072		7,443.2424	7,443.2424	0.5546	0.4546	7,592.5860

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,597.36	362.44	114.80	2,497,017	2,497,017
Total	1,597.36	362.44	114.80	2,497,017	2,497,017

**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 Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.538353	0.056973	0.184081	0.133246	0.026575	0.006093	0.013235	0.009306	0.000942	0.000548	0.026135	0.001006	0.003507



59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0629	0.5718	0.4803	3.4300e-003		0.0435	0.0435		0.0435	0.0435		686.1305	686.1305	0.0132	0.0126	690.2079
NaturalGas Unmitigated	0.0629	0.5718	0.4803	3.4300e-003		0.0435	0.0435		0.0435	0.0435		686.1305	686.1305	0.0132	0.0126	690.2079

**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					
General Office Building	5832.11	0.0629	0.5718	0.4803	3.4300e-003		0.0435	0.0435		0.0435	0.0435		686.1305	686.1305	0.0132	0.0126	690.2079
<b>Total</b>		<b>0.0629</b>	<b>0.5718</b>	<b>0.4803</b>	<b>3.4300e-003</b>		<b>0.0435</b>	<b>0.0435</b>		<b>0.0435</b>	<b>0.0435</b>		<b>686.1305</b>	<b>686.1305</b>	<b>0.0132</b>	<b>0.0126</b>	<b>690.2079</b>

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	5.83211	0.0629	0.5718	0.4803	3.4300e-003		0.0435	0.0435		0.0435	0.0435		686.1305	686.1305	0.0132	0.0126	690.2079
<b>Total</b>		<b>0.0629</b>	<b>0.5718</b>	<b>0.4803</b>	<b>3.4300e-003</b>		<b>0.0435</b>	<b>0.0435</b>		<b>0.0435</b>	<b>0.0435</b>		<b>686.1305</b>	<b>686.1305</b>	<b>0.0132</b>	<b>0.0126</b>	<b>690.2079</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	3.9277	1.5000e-004	0.0167	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0359	0.0359	9.0000e-005		0.0383
Unmitigated	3.9277	1.5000e-004	0.0167	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0359	0.0359	9.0000e-005		0.0383

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4165					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5500e-003	1.5000e-004	0.0167	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0359	0.0359	9.0000e-005		0.0383
<b>Total</b>	<b>3.9277</b>	<b>1.5000e-004</b>	<b>0.0167</b>	<b>0.0000</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>0.0359</b>	<b>0.0359</b>	<b>9.0000e-005</b>		<b>0.0383</b>

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4165					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5500e-003	1.5000e-004	0.0167	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0359	0.0359	9.0000e-005		0.0383
<b>Total</b>	<b>3.9277</b>	<b>1.5000e-004</b>	<b>0.0167</b>	<b>0.0000</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>6.0000e-005</b>	<b>6.0000e-005</b>		<b>0.0359</b>	<b>0.0359</b>	<b>9.0000e-005</b>		<b>0.0383</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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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59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**59th St SMUD Remediation & Demolition Project**  
**Sacramento Metropolitan AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	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>		2023	
<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 - This model run estimates the emissions from trips for the operation of the Soil Vapor Extraction System and occational removal of the drums from the project site.

Land Use - This model run estimates the emissions from trips for the operation of the Soil Vapor Extraction System and occational removal of the drums from the project site.

Construction Phase - This model run estimates the emissions from trips for the operation of the Soil Vapor Extraction System and occational removal of the drums from the project site.

Off-road Equipment - Caleemod Defaults

Off-road Equipment - Caleemod Defaults

Trips and VMT -

Demolition -

Grading -

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

Vehicle Trips - Assumptions:

Workers for operating the system = 2/day = 4 daily trips

Vehicle Emission Factors - EMFAC EF 2021

Vehicle Emission Factors - EMFAC EF 2021

Vehicle Emission Factors - EMFAC EF 2021

Consumer Products - This model run estimates the emissions from trips for the operation of the Soil Vapor Extraction System and occational removal of the drums from the project site.

Area Coating -

Landscape Equipment -

Water And Wastewater -

Solid Waste -

Area Mitigation -

Operational Off-Road Equipment - Assumption to reflect occational removal of drums from the project site.

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - User Defined -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	52.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	2.00
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblRoadDust	CARB_PM_VMT	True	False
tblVehicleEF	HHD	0.03	0.90
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	6.64	1.08
tblVehicleEF	HHD	0.39	0.22

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

tblVehicleEF	HHD	5.0960e-003	53.04
tblVehicleEF	HHD	0.19	1.47
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.2000e-005	4.5000e-005
tblVehicleEF	HHD	6.73	53.87
tblVehicleEF	HHD	3.12	3.19
tblVehicleEF	HHD	2.67	2.70
tblVehicleEF	HHD	5.8360e-003	0.06
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	5.0000e-006
tblVehicleEF	HHD	6.0000e-006	0.03
tblVehicleEF	HHD	0.47	3.68
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	6.0000e-006	0.03
tblVehicleEF	HHD	0.54	4.93
tblVehicleEF	HHD	0.10	0.20
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.03	0.91
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	6.52	1.10
tblVehicleEF	HHD	0.39	0.22
tblVehicleEF	HHD	4.6950e-003	52.07
tblVehicleEF	HHD	0.18	1.46
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.2000e-005	4.4000e-005
tblVehicleEF	HHD	6.52	52.40



59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

tblVehicleEF	HHD	2.93	2.99
tblVehicleEF	HHD	2.67	2.70
tblVehicleEF	HHD	5.0080e-003	0.05
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	5.0000e-006
tblVehicleEF	HHD	1.7000e-005	0.05
tblVehicleEF	HHD	0.49	3.86
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	1.7000e-005	0.05
tblVehicleEF	HHD	0.57	5.13
tblVehicleEF	HHD	0.10	0.20
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	0.02	0.89
tblVehicleEF	HHD	0.06	0.16
tblVehicleEF	HHD	6.80	1.06
tblVehicleEF	HHD	0.39	0.22
tblVehicleEF	HHD	5.6500e-003	54.39
tblVehicleEF	HHD	0.19	1.48
tblVehicleEF	HHD	0.24	0.27
tblVehicleEF	HHD	1.3000e-005	4.8000e-005
tblVehicleEF	HHD	7.01	55.89
tblVehicleEF	HHD	3.19	3.25
tblVehicleEF	HHD	2.67	2.70
tblVehicleEF	HHD	6.9800e-003	0.07
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.04

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	1.0000e-006	5.0000e-006
tblVehicleEF	HHD	1.0000e-006	0.02
tblVehicleEF	HHD	0.43	3.43
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	HHD	1.0000e-006	0.02
tblVehicleEF	HHD	0.50	4.65
tblVehicleEF	HHD	0.10	0.20
tblVehicleEF	HHD	2.0000e-006	0.00
tblVehicleEF	LDA	2.2340e-003	2.9100e-003
tblVehicleEF	LDA	0.05	0.08
tblVehicleEF	LDA	0.00	0.90
tblVehicleEF	LDA	0.64	0.03
tblVehicleEF	LDA	2.22	0.00
tblVehicleEF	LDA	4.4920e-003	5.3120e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.04	0.05
tblVehicleEF	LDA	0.19	0.28
tblVehicleEF	LDA	0.04	8.0250e-003
tblVehicleEF	LDA	1.4440e-003	1.4680e-003
tblVehicleEF	LDA	1.8810e-003	2.2550e-003
tblVehicleEF	LDA	0.06	1.76
tblVehicleEF	LDA	8.6450e-003	0.01
tblVehicleEF	LDA	0.23	0.37
tblVehicleEF	LDA	0.06	1.76
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.26	0.41
tblVehicleEF	LDA	2.6410e-003	3.1780e-003

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

tblVehicleEF	LDA	0.04	0.07
tblVehicleEF	LDA	0.00	1.33
tblVehicleEF	LDA	0.82	0.03
tblVehicleEF	LDA	1.83	0.00
tblVehicleEF	LDA	4.2170e-003	4.6710e-003
tblVehicleEF	LDA	0.02	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.17	0.26
tblVehicleEF	LDA	0.04	8.0250e-003
tblVehicleEF	LDA	1.4440e-003	1.4680e-003
tblVehicleEF	LDA	1.8810e-003	2.2550e-003
tblVehicleEF	LDA	0.16	2.63
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.19	0.31
tblVehicleEF	LDA	0.16	2.63
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.21	0.34
tblVehicleEF	LDA	2.0770e-003	2.7660e-003
tblVehicleEF	LDA	0.06	0.09
tblVehicleEF	LDA	0.00	0.81
tblVehicleEF	LDA	0.61	0.03
tblVehicleEF	LDA	2.78	0.00
tblVehicleEF	LDA	4.8260e-003	5.8210e-003
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.04	0.06
tblVehicleEF	LDA	0.21	0.32
tblVehicleEF	LDA	0.04	8.0250e-003
tblVehicleEF	LDA	1.4440e-003	1.4680e-003
tblVehicleEF	LDA	1.8810e-003	2.2550e-003

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

tblVehicleEF	LDA	0.02	1.50
tblVehicleEF	LDA	8.1780e-003	0.01
tblVehicleEF	LDA	0.28	0.45
tblVehicleEF	LDA	0.02	1.50
tblVehicleEF	LDA	0.01	0.02
tblVehicleEF	LDA	0.31	0.49
tblVehicleEF	LDT1	4.7010e-003	7.4970e-003
tblVehicleEF	LDT1	0.07	0.12
tblVehicleEF	LDT1	0.00	1.73
tblVehicleEF	LDT1	1.07	0.04
tblVehicleEF	LDT1	2.42	0.00
tblVehicleEF	LDT1	6.9200e-003	0.01
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.08	0.14
tblVehicleEF	LDT1	0.26	0.46
tblVehicleEF	LDT1	0.04	9.8690e-003
tblVehicleEF	LDT1	1.8990e-003	2.1290e-003
tblVehicleEF	LDT1	2.4400e-003	3.3350e-003
tblVehicleEF	LDT1	0.14	3.56
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.37	0.67
tblVehicleEF	LDT1	0.14	3.56
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.41	0.73
tblVehicleEF	LDT1	5.5040e-003	8.1760e-003
tblVehicleEF	LDT1	0.06	0.10
tblVehicleEF	LDT1	0.00	2.52
tblVehicleEF	LDT1	1.35	0.04
tblVehicleEF	LDT1	1.99	0.00

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

tblVehicleEF	LDT1	6.4410e-003	9.2670e-003
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.08	0.12
tblVehicleEF	LDT1	0.25	0.42
tblVehicleEF	LDT1	0.04	9.8690e-003
tblVehicleEF	LDT1	1.8990e-003	2.1290e-003
tblVehicleEF	LDT1	2.4400e-003	3.3350e-003
tblVehicleEF	LDT1	0.37	5.34
tblVehicleEF	LDT1	0.02	0.04
tblVehicleEF	LDT1	0.30	0.55
tblVehicleEF	LDT1	0.37	5.34
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.33	0.60
tblVehicleEF	LDT1	4.3950e-003	7.1500e-003
tblVehicleEF	LDT1	0.09	0.15
tblVehicleEF	LDT1	0.00	1.56
tblVehicleEF	LDT1	1.02	0.04
tblVehicleEF	LDT1	3.03	0.00
tblVehicleEF	LDT1	7.4750e-003	0.01
tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.09	0.17
tblVehicleEF	LDT1	0.30	0.51
tblVehicleEF	LDT1	0.04	9.8690e-003
tblVehicleEF	LDT1	1.8990e-003	2.1290e-003
tblVehicleEF	LDT1	2.4400e-003	3.3350e-003
tblVehicleEF	LDT1	0.04	2.99
tblVehicleEF	LDT1	0.02	0.03
tblVehicleEF	LDT1	0.45	0.81
tblVehicleEF	LDT1	0.04	2.99

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

tblVehicleEF	LDT1	0.03	0.05
tblVehicleEF	LDT1	0.49	0.88
tblVehicleEF	LDT2	3.4500e-003	3.2940e-003
tblVehicleEF	LDT2	0.07	0.09
tblVehicleEF	LDT2	0.00	1.00
tblVehicleEF	LDT2	0.87	0.03
tblVehicleEF	LDT2	2.85	0.00
tblVehicleEF	LDT2	6.3410e-003	6.6740e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.07	0.08
tblVehicleEF	LDT2	0.30	0.38
tblVehicleEF	LDT2	0.04	9.5000e-003
tblVehicleEF	LDT2	1.4420e-003	1.4720e-003
tblVehicleEF	LDT2	1.8230e-003	2.1750e-003
tblVehicleEF	LDT2	0.09	1.65
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.33	0.43
tblVehicleEF	LDT2	0.09	1.65
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.36	0.47
tblVehicleEF	LDT2	4.0610e-003	3.5960e-003
tblVehicleEF	LDT2	0.06	0.08
tblVehicleEF	LDT2	0.00	1.47
tblVehicleEF	LDT2	1.10	0.03
tblVehicleEF	LDT2	2.34	0.00
tblVehicleEF	LDT2	5.9270e-003	5.8770e-003
tblVehicleEF	LDT2	0.03	0.04
tblVehicleEF	LDT2	0.06	0.07
tblVehicleEF	LDT2	0.28	0.35

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

tblVehicleEF	LDT2	0.04	9.5000e-003
tblVehicleEF	LDT2	1.4420e-003	1.4720e-003
tblVehicleEF	LDT2	1.8230e-003	2.1750e-003
tblVehicleEF	LDT2	0.23	2.38
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.27	0.35
tblVehicleEF	LDT2	0.23	2.38
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.30	0.39
tblVehicleEF	LDT2	3.2120e-003	3.1310e-003
tblVehicleEF	LDT2	0.08	0.11
tblVehicleEF	LDT2	0.00	0.90
tblVehicleEF	LDT2	0.82	0.03
tblVehicleEF	LDT2	3.58	0.00
tblVehicleEF	LDT2	6.8280e-003	7.3100e-003
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.08	0.09
tblVehicleEF	LDT2	0.34	0.43
tblVehicleEF	LDT2	0.04	9.5000e-003
tblVehicleEF	LDT2	1.4420e-003	1.4720e-003
tblVehicleEF	LDT2	1.8230e-003	2.1750e-003
tblVehicleEF	LDT2	0.03	1.43
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.40	0.51
tblVehicleEF	LDT2	0.03	1.43
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.44	0.56
tblVehicleEF	LHD1	4.8800e-003	0.08
tblVehicleEF	LHD1	0.01	0.01

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

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	1.08
tblVehicleEF	LHD1	0.98	0.08
tblVehicleEF	LHD1	1.05	2.73
tblVehicleEF	LHD1	8.3500e-004	9.6770e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.83
tblVehicleEF	LHD1	1.28	1.10
tblVehicleEF	LHD1	0.32	0.43
tblVehicleEF	LHD1	9.3900e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8860e-003	9.5890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.5500e-004	2.3700e-004
tblVehicleEF	LHD1	2.9000e-003	2.09
tblVehicleEF	LHD1	0.02	0.32
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.08	0.11
tblVehicleEF	LHD1	2.9000e-003	2.09
tblVehicleEF	LHD1	0.03	0.46
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.09	0.13
tblVehicleEF	LHD1	4.8950e-003	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	0.18	1.11
tblVehicleEF	LHD1	1.01	0.08
tblVehicleEF	LHD1	0.97	2.73



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

tblVehicleEF	LHD1	8.3900e-004	9.7310e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.08	0.83
tblVehicleEF	LHD1	1.19	1.02
tblVehicleEF	LHD1	0.30	0.41
tblVehicleEF	LHD1	9.3900e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8860e-003	9.5890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.5500e-004	2.3700e-004
tblVehicleEF	LHD1	7.4240e-003	3.01
tblVehicleEF	LHD1	0.02	0.32
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.07	0.11
tblVehicleEF	LHD1	7.4240e-003	3.01
tblVehicleEF	LHD1	0.03	0.46
tblVehicleEF	LHD1	0.15	0.15
tblVehicleEF	LHD1	0.08	0.12
tblVehicleEF	LHD1	4.8620e-003	0.08
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	1.05
tblVehicleEF	LHD1	0.96	0.08
tblVehicleEF	LHD1	1.16	2.73
tblVehicleEF	LHD1	8.3300e-004	9.6300e-003
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	0.08	0.83

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

tblVehicleEF	LHD1	1.32	1.13
tblVehicleEF	LHD1	0.34	0.47
tblVehicleEF	LHD1	9.3900e-004	0.01
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8860e-003	9.5890e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.5500e-004	2.3700e-004
tblVehicleEF	LHD1	8.3400e-004	1.79
tblVehicleEF	LHD1	0.02	0.32
tblVehicleEF	LHD1	0.12	0.12
tblVehicleEF	LHD1	0.09	0.12
tblVehicleEF	LHD1	8.3400e-004	1.79
tblVehicleEF	LHD1	0.03	0.46
tblVehicleEF	LHD1	0.14	0.15
tblVehicleEF	LHD1	0.09	0.13
tblVehicleEF	LHD2	3.1980e-003	0.05
tblVehicleEF	LHD2	8.0840e-003	8.3830e-003
tblVehicleEF	LHD2	9.0150e-003	0.01
tblVehicleEF	LHD2	0.14	0.73
tblVehicleEF	LHD2	0.76	0.13
tblVehicleEF	LHD2	0.61	2.06
tblVehicleEF	LHD2	1.8130e-003	0.02
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	1.29
tblVehicleEF	LHD2	1.36	1.13
tblVehicleEF	LHD2	0.19	0.26
tblVehicleEF	LHD2	1.4350e-003	0.02
tblVehicleEF	LHD2	0.09	0.09

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

tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2500e-004	1.0900e-004
tblVehicleEF	LHD2	1.4220e-003	1.02
tblVehicleEF	LHD2	0.02	0.24
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	1.4220e-003	1.02
tblVehicleEF	LHD2	0.02	0.33
tblVehicleEF	LHD2	0.15	0.16
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.2080e-003	0.05
tblVehicleEF	LHD2	8.1850e-003	8.4850e-003
tblVehicleEF	LHD2	8.4970e-003	0.01
tblVehicleEF	LHD2	0.14	0.75
tblVehicleEF	LHD2	0.77	0.13
tblVehicleEF	LHD2	0.56	2.06
tblVehicleEF	LHD2	1.8150e-003	0.02
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.11	1.29
tblVehicleEF	LHD2	1.27	1.05
tblVehicleEF	LHD2	0.18	0.24
tblVehicleEF	LHD2	1.4350e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2500e-004	1.0900e-004
tblVehicleEF	LHD2	3.6200e-003	1.48

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

tblVehicleEF	LHD2	0.02	0.24
tblVehicleEF	LHD2	0.13	0.14
tblVehicleEF	LHD2	0.04	0.06
tblVehicleEF	LHD2	3.6200e-003	1.48
tblVehicleEF	LHD2	0.02	0.33
tblVehicleEF	LHD2	0.15	0.16
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	3.1870e-003	0.05
tblVehicleEF	LHD2	7.9730e-003	8.2720e-003
tblVehicleEF	LHD2	9.6280e-003	0.01
tblVehicleEF	LHD2	0.14	0.72
tblVehicleEF	LHD2	0.75	0.13
tblVehicleEF	LHD2	0.67	2.06
tblVehicleEF	LHD2	1.8110e-003	0.02
tblVehicleEF	LHD2	0.07	0.08
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	0.11	1.29
tblVehicleEF	LHD2	1.39	1.15
tblVehicleEF	LHD2	0.21	0.28
tblVehicleEF	LHD2	1.4350e-003	0.02
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2500e-004	1.0900e-004
tblVehicleEF	LHD2	4.2800e-004	0.88
tblVehicleEF	LHD2	0.02	0.24
tblVehicleEF	LHD2	0.13	0.13
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	4.2800e-004	0.88

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

tblVehicleEF	LHD2	0.02	0.33
tblVehicleEF	LHD2	0.15	0.16
tblVehicleEF	LHD2	0.05	0.08
tblVehicleEF	MCY	0.34	0.20
tblVehicleEF	MCY	0.26	0.21
tblVehicleEF	MCY	0.00	15.74
tblVehicleEF	MCY	19.91	8.5180e-003
tblVehicleEF	MCY	8.95	0.00
tblVehicleEF	MCY	0.07	0.04
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	1.15	0.67
tblVehicleEF	MCY	0.27	0.17
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9580e-003	1.9800e-003
tblVehicleEF	MCY	3.0640e-003	3.6000e-003
tblVehicleEF	MCY	1.40	5.35
tblVehicleEF	MCY	2.34	1.41
tblVehicleEF	MCY	1.98	1.61
tblVehicleEF	MCY	1.40	5.35
tblVehicleEF	MCY	2.87	1.67
tblVehicleEF	MCY	2.16	1.75
tblVehicleEF	MCY	0.33	0.20
tblVehicleEF	MCY	0.22	0.18
tblVehicleEF	MCY	0.00	16.00
tblVehicleEF	MCY	20.13	8.5180e-003
tblVehicleEF	MCY	8.02	0.00
tblVehicleEF	MCY	0.06	0.04
tblVehicleEF	MCY	0.01	9.6550e-003
tblVehicleEF	MCY	0.97	0.57

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

tblVehicleEF	MCY	0.25	0.16
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9580e-003	1.9800e-003
tblVehicleEF	MCY	3.0640e-003	3.6000e-003
tblVehicleEF	MCY	3.89	9.52
tblVehicleEF	MCY	2.28	1.38
tblVehicleEF	MCY	1.65	1.34
tblVehicleEF	MCY	3.89	9.52
tblVehicleEF	MCY	2.79	1.63
tblVehicleEF	MCY	1.80	1.46
tblVehicleEF	MCY	0.36	0.21
tblVehicleEF	MCY	0.32	0.26
tblVehicleEF	MCY	0.00	16.72
tblVehicleEF	MCY	21.93	8.5180e-003
tblVehicleEF	MCY	10.80	0.00
tblVehicleEF	MCY	0.07	0.05
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	1.27	0.74
tblVehicleEF	MCY	0.30	0.19
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9580e-003	1.9800e-003
tblVehicleEF	MCY	3.0640e-003	3.6000e-003
tblVehicleEF	MCY	0.27	4.04
tblVehicleEF	MCY	2.49	1.50
tblVehicleEF	MCY	2.48	2.02
tblVehicleEF	MCY	0.27	4.04
tblVehicleEF	MCY	3.04	1.76
tblVehicleEF	MCY	2.69	2.20
tblVehicleEF	MDV	4.4540e-003	5.0050e-003

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

tblVehicleEF	MDV	0.09	0.12
tblVehicleEF	MDV	0.00	1.25
tblVehicleEF	MDV	0.99	0.03
tblVehicleEF	MDV	3.29	0.00
tblVehicleEF	MDV	8.7140e-003	0.01
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.09	0.13
tblVehicleEF	MDV	0.37	0.52
tblVehicleEF	MDV	0.04	9.7770e-003
tblVehicleEF	MDV	1.5480e-003	1.5980e-003
tblVehicleEF	MDV	1.9510e-003	2.3550e-003
tblVehicleEF	MDV	0.11	2.13
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.43	0.62
tblVehicleEF	MDV	0.11	2.13
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.47	0.68
tblVehicleEF	MDV	5.2520e-003	5.4780e-003
tblVehicleEF	MDV	0.07	0.10
tblVehicleEF	MDV	0.00	1.83
tblVehicleEF	MDV	1.25	0.03
tblVehicleEF	MDV	2.69	0.00
tblVehicleEF	MDV	8.2080e-003	9.0950e-003
tblVehicleEF	MDV	0.03	0.04
tblVehicleEF	MDV	0.08	0.11
tblVehicleEF	MDV	0.34	0.48
tblVehicleEF	MDV	0.04	9.7770e-003
tblVehicleEF	MDV	1.5480e-003	1.5980e-003
tblVehicleEF	MDV	1.9510e-003	2.3550e-003

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

tblVehicleEF	MDV	0.28	3.01
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.36	0.51
tblVehicleEF	MDV	0.28	3.01
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.39	0.56
tblVehicleEF	MDV	4.1650e-003	4.7780e-003
tblVehicleEF	MDV	0.10	0.14
tblVehicleEF	MDV	0.00	1.13
tblVehicleEF	MDV	0.94	0.03
tblVehicleEF	MDV	4.14	0.00
tblVehicleEF	MDV	9.3080e-003	0.01
tblVehicleEF	MDV	0.04	0.05
tblVehicleEF	MDV	0.10	0.15
tblVehicleEF	MDV	0.41	0.59
tblVehicleEF	MDV	0.04	9.7770e-003
tblVehicleEF	MDV	1.5480e-003	1.5980e-003
tblVehicleEF	MDV	1.9510e-003	2.3550e-003
tblVehicleEF	MDV	0.03	1.87
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.52	0.74
tblVehicleEF	MDV	0.03	1.87
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.57	0.82
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.00	1.31
tblVehicleEF	MH	1.23	0.07
tblVehicleEF	MH	2.15	0.00



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

tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.62	1.67
tblVehicleEF	MH	0.25	0.31
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	2.6200e-004	3.0700e-004
tblVehicleEF	MH	1.01	3.61
tblVehicleEF	MH	0.08	0.09
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	1.01	3.61
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.11	0.13
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	0.00	1.36
tblVehicleEF	MH	1.27	0.07
tblVehicleEF	MH	1.94	0.00
tblVehicleEF	MH	0.06	0.06
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.49	1.54
tblVehicleEF	MH	0.23	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	2.6200e-004	3.0700e-004
tblVehicleEF	MH	2.59	5.35
tblVehicleEF	MH	0.08	0.09

59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

tblVehicleEF	MH	0.09	0.11
tblVehicleEF	MH	2.59	5.35
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.10	0.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	0.00	1.26
tblVehicleEF	MH	1.18	0.07
tblVehicleEF	MH	2.42	0.00
tblVehicleEF	MH	0.06	0.07
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	1.67	1.73
tblVehicleEF	MH	0.27	0.33
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	2.6200e-004	3.0700e-004
tblVehicleEF	MH	0.30	3.05
tblVehicleEF	MH	0.08	0.08
tblVehicleEF	MH	0.11	0.13
tblVehicleEF	MH	0.30	3.05
tblVehicleEF	MH	0.10	0.11
tblVehicleEF	MH	0.12	0.14
tblVehicleEF	MHD	4.3960e-003	0.22
tblVehicleEF	MHD	2.6650e-003	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.58	0.63
tblVehicleEF	MHD	0.33	0.19
tblVehicleEF	MHD	1.33	9.31

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

tblVehicleEF	MHD	0.02	0.31
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	8.1560e-003	7.3870e-003
tblVehicleEF	MHD	1.22	14.68
tblVehicleEF	MHD	1.73	1.98
tblVehicleEF	MHD	1.59	1.28
tblVehicleEF	MHD	1.9100e-003	0.03
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	8.6060e-003	0.02
tblVehicleEF	MHD	1.2600e-004	1.3000e-004
tblVehicleEF	MHD	8.1000e-004	0.80
tblVehicleEF	MHD	0.03	0.45
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	8.1000e-004	0.80
tblVehicleEF	MHD	0.04	0.73
tblVehicleEF	MHD	0.03	0.08
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	MHD	4.1540e-003	0.22
tblVehicleEF	MHD	2.7400e-003	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.49	0.65
tblVehicleEF	MHD	0.34	0.19
tblVehicleEF	MHD	1.23	7.98
tblVehicleEF	MHD	0.02	0.32
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	7.9060e-003	7.1610e-003
tblVehicleEF	MHD	1.22	14.64
tblVehicleEF	MHD	1.61	1.85

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

tblVehicleEF	MHD	1.58	1.27
tblVehicleEF	MHD	1.6160e-003	0.03
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	8.6060e-003	0.02
tblVehicleEF	MHD	1.2600e-004	1.3000e-004
tblVehicleEF	MHD	2.0910e-003	1.33
tblVehicleEF	MHD	0.03	0.43
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	2.0910e-003	1.33
tblVehicleEF	MHD	0.04	0.71
tblVehicleEF	MHD	0.03	0.08
tblVehicleEF	MHD	0.06	0.06
tblVehicleEF	MHD	4.6320e-003	0.22
tblVehicleEF	MHD	2.5820e-003	0.02
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.67	0.61
tblVehicleEF	MHD	0.32	0.19
tblVehicleEF	MHD	1.48	10.74
tblVehicleEF	MHD	0.02	0.31
tblVehicleEF	MHD	0.14	0.16
tblVehicleEF	MHD	8.6160e-003	7.8040e-003
tblVehicleEF	MHD	1.21	14.75
tblVehicleEF	MHD	1.76	2.02
tblVehicleEF	MHD	1.60	1.29
tblVehicleEF	MHD	2.3170e-003	0.04
tblVehicleEF	MHD	0.13	0.05
tblVehicleEF	MHD	8.6060e-003	0.02
tblVehicleEF	MHD	1.2600e-004	1.3000e-004

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

tblVehicleEF	MHD	2.3300e-004	0.67
tblVehicleEF	MHD	0.03	0.46
tblVehicleEF	MHD	0.02	0.05
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	MHD	2.3300e-004	0.67
tblVehicleEF	MHD	0.04	0.76
tblVehicleEF	MHD	0.03	0.07
tblVehicleEF	MHD	0.07	0.07
tblVehicleEF	OBUS	7.9010e-003	0.27
tblVehicleEF	OBUS	7.1450e-003	0.05
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.62	1.40
tblVehicleEF	OBUS	0.82	0.19
tblVehicleEF	OBUS	2.45	7.79
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.37	3.94
tblVehicleEF	OBUS	1.45	1.56
tblVehicleEF	OBUS	0.93	0.78
tblVehicleEF	OBUS	1.2300e-004	0.01
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0470e-003	0.04
tblVehicleEF	OBUS	1.6700e-004	1.7600e-004
tblVehicleEF	OBUS	2.2060e-003	2.00
tblVehicleEF	OBUS	0.05	0.74
tblVehicleEF	OBUS	0.04	0.11
tblVehicleEF	OBUS	0.12	0.12
tblVehicleEF	OBUS	2.2060e-003	2.00

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

tblVehicleEF	OBUS	0.07	1.13
tblVehicleEF	OBUS	0.06	0.18
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	8.0000e-003	0.27
tblVehicleEF	OBUS	7.3740e-003	0.05
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.61	1.45
tblVehicleEF	OBUS	0.85	0.19
tblVehicleEF	OBUS	2.20	7.68
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.35	3.79
tblVehicleEF	OBUS	1.34	1.45
tblVehicleEF	OBUS	0.91	0.76
tblVehicleEF	OBUS	1.0900e-004	8.7790e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0470e-003	0.04
tblVehicleEF	OBUS	1.6700e-004	1.7600e-004
tblVehicleEF	OBUS	5.5670e-003	3.16
tblVehicleEF	OBUS	0.05	0.75
tblVehicleEF	OBUS	0.04	0.11
tblVehicleEF	OBUS	0.11	0.12
tblVehicleEF	OBUS	5.5670e-003	3.16
tblVehicleEF	OBUS	0.07	1.14
tblVehicleEF	OBUS	0.06	0.18
tblVehicleEF	OBUS	0.12	0.13
tblVehicleEF	OBUS	7.7740e-003	0.27
tblVehicleEF	OBUS	6.8870e-003	0.05

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

tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.62	1.36
tblVehicleEF	OBUS	0.80	0.19
tblVehicleEF	OBUS	2.74	7.93
tblVehicleEF	OBUS	0.01	0.13
tblVehicleEF	OBUS	0.13	0.14
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	0.39	4.13
tblVehicleEF	OBUS	1.50	1.61
tblVehicleEF	OBUS	0.95	0.80
tblVehicleEF	OBUS	1.4200e-004	0.01
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	8.0470e-003	0.04
tblVehicleEF	OBUS	1.6700e-004	1.7600e-004
tblVehicleEF	OBUS	7.5700e-004	1.76
tblVehicleEF	OBUS	0.05	0.72
tblVehicleEF	OBUS	0.04	0.11
tblVehicleEF	OBUS	0.13	0.13
tblVehicleEF	OBUS	7.5700e-004	1.76
tblVehicleEF	OBUS	0.06	1.11
tblVehicleEF	OBUS	0.06	0.18
tblVehicleEF	OBUS	0.14	0.15
tblVehicleEF	SBUS	0.03	0.29
tblVehicleEF	SBUS	6.0720e-003	0.04
tblVehicleEF	SBUS	2.2260e-003	2.2790e-003
tblVehicleEF	SBUS	1.27	0.35
tblVehicleEF	SBUS	0.40	0.12
tblVehicleEF	SBUS	0.34	7.04
tblVehicleEF	SBUS	0.05	0.36

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

tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	2.1350e-003	2.1450e-003
tblVehicleEF	SBUS	3.92	24.99
tblVehicleEF	SBUS	6.39	4.07
tblVehicleEF	SBUS	0.66	0.38
tblVehicleEF	SBUS	4.5930e-003	0.03
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	2.7000e-005	2.3000e-005
tblVehicleEF	SBUS	4.3200e-004	0.07
tblVehicleEF	SBUS	0.13	0.51
tblVehicleEF	SBUS	0.10	0.07
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	4.3200e-004	0.07
tblVehicleEF	SBUS	0.18	0.89
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.29
tblVehicleEF	SBUS	6.1290e-003	0.04
tblVehicleEF	SBUS	1.7760e-003	1.8190e-003
tblVehicleEF	SBUS	1.23	0.35
tblVehicleEF	SBUS	0.40	0.12
tblVehicleEF	SBUS	0.23	6.75
tblVehicleEF	SBUS	0.05	0.37
tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	2.0340e-003	2.0410e-003
tblVehicleEF	SBUS	4.03	25.55
tblVehicleEF	SBUS	5.97	3.81



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

tblVehicleEF	SBUS	0.65	0.38
tblVehicleEF	SBUS	3.8790e-003	0.02
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	2.7000e-005	2.3000e-005
tblVehicleEF	SBUS	1.1340e-003	0.12
tblVehicleEF	SBUS	0.13	0.51
tblVehicleEF	SBUS	0.10	0.07
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.1340e-003	0.12
tblVehicleEF	SBUS	0.18	0.89
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.29
tblVehicleEF	SBUS	6.0150e-003	0.04
tblVehicleEF	SBUS	2.6780e-003	2.7410e-003
tblVehicleEF	SBUS	1.33	0.35
tblVehicleEF	SBUS	0.39	0.12
tblVehicleEF	SBUS	0.47	7.43
tblVehicleEF	SBUS	0.05	0.35
tblVehicleEF	SBUS	0.16	0.15
tblVehicleEF	SBUS	2.2690e-003	2.2800e-003
tblVehicleEF	SBUS	3.78	24.23
tblVehicleEF	SBUS	6.52	4.16
tblVehicleEF	SBUS	0.66	0.38
tblVehicleEF	SBUS	5.5790e-003	0.03
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01

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

tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	2.7000e-005	2.3000e-005
tblVehicleEF	SBUS	1.2400e-004	0.05
tblVehicleEF	SBUS	0.13	0.51
tblVehicleEF	SBUS	0.10	0.07
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	1.2400e-004	0.05
tblVehicleEF	SBUS	0.18	0.90
tblVehicleEF	SBUS	0.12	0.12
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	UBUS	4.73	1.89
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	0.00	22.99
tblVehicleEF	UBUS	36.90	0.70
tblVehicleEF	UBUS	2.78	0.00
tblVehicleEF	UBUS	0.31	0.20
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.41	0.23
tblVehicleEF	UBUS	0.22	0.28
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	3.0950e-003	6.6600e-004
tblVehicleEF	UBUS	3.0200e-004	3.7500e-004
tblVehicleEF	UBUS	6.9700e-004	0.14
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	0.13	0.17
tblVehicleEF	UBUS	6.9700e-004	0.14
tblVehicleEF	UBUS	4.84	1.93
tblVehicleEF	UBUS	0.14	0.18

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

tblVehicleEF	UBUS	4.73	1.89
tblVehicleEF	UBUS	0.03	0.04
tblVehicleEF	UBUS	0.00	23.00
tblVehicleEF	UBUS	36.90	0.70
tblVehicleEF	UBUS	2.22	0.00
tblVehicleEF	UBUS	0.31	0.20
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.40	0.22
tblVehicleEF	UBUS	0.21	0.26
tblVehicleEF	UBUS	0.08	0.11
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	3.0950e-003	6.6600e-004
tblVehicleEF	UBUS	3.0200e-004	3.7500e-004
tblVehicleEF	UBUS	1.9250e-003	0.23
tblVehicleEF	UBUS	0.07	0.03
tblVehicleEF	UBUS	0.12	0.15
tblVehicleEF	UBUS	1.9250e-003	0.23
tblVehicleEF	UBUS	4.84	1.93
tblVehicleEF	UBUS	0.13	0.16
tblVehicleEF	UBUS	4.73	1.89
tblVehicleEF	UBUS	0.03	0.05
tblVehicleEF	UBUS	0.00	22.99
tblVehicleEF	UBUS	36.89	0.70
tblVehicleEF	UBUS	3.49	0.00
tblVehicleEF	UBUS	0.31	0.20
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.42	0.23
tblVehicleEF	UBUS	0.24	0.31
tblVehicleEF	UBUS	0.08	0.11



59th St SMUD Remediation & Demolition Project - Sacramento Metropolitan AQMD Air District, Summer

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0360	0.0171	0.0243	1.6000e-004	0.0141	1.6000e-004	0.0143	4.0900e-003	1.2000e-004	4.2100e-003		16.5013	16.5013	1.3200e-003	1.0600e-003	16.8498
Offroad	0.1516	1.1319	1.1083	3.6900e-003		0.0471	0.0471		0.0433	0.0433	0.0000	356.9798	356.9798	0.1155		359.8662
<b>Total</b>	<b>0.1876</b>	<b>1.1490</b>	<b>1.1327</b>	<b>3.8500e-003</b>	<b>0.0141</b>	<b>0.0472</b>	<b>0.0614</b>	<b>4.0900e-003</b>	<b>0.0434</b>	<b>0.0475</b>	<b>0.0000</b>	<b>373.4813</b>	<b>373.4813</b>	<b>0.1168</b>	<b>1.0600e-003</b>	<b>376.7162</b>

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0360	0.0171	0.0243	1.6000e-004	0.0141	1.6000e-004	0.0143	4.0900e-003	1.2000e-004	4.2100e-003		16.5013	16.5013	1.3200e-003	1.0600e-003	16.8498
Offroad	0.1516	1.1319	1.1083	3.6900e-003		0.0471	0.0471		0.0433	0.0433	0.0000	356.9798	356.9798	0.1155		359.8662
<b>Total</b>	<b>0.1876</b>	<b>1.1490</b>	<b>1.1327</b>	<b>3.8500e-003</b>	<b>0.0141</b>	<b>0.0472</b>	<b>0.0614</b>	<b>4.0900e-003</b>	<b>0.0434</b>	<b>0.0475</b>	<b>0.0000</b>	<b>373.4813</b>	<b>373.4813</b>	<b>0.1168</b>	<b>1.0600e-003</b>	<b>376.7162</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	1/1/2022	12/31/2021	5	0	

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

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; 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		8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

**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	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0360	0.0171	0.0243	1.6000e-004	0.0141	1.6000e-004	0.0143	4.0900e-003	1.2000e-004	4.2100e-003		16.5013	16.5013	1.3200e-003	1.0600e-003	16.8498
Unmitigated	0.0360	0.0171	0.0243	1.6000e-004	0.0141	1.6000e-004	0.0143	4.0900e-003	1.2000e-004	4.2100e-003		16.5013	16.5013	1.3200e-003	1.0600e-003	16.8498

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Commercial	4.00	0.00	0.00	5,200	5,200
Total	4.00	0.00	0.00	5,200	5,200

**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
User Defined Commercial	5.00	0.00	0.00	100.00	0.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Commercial	0.538353	0.056973	0.184081	0.133246	0.026575	0.006093	0.013235	0.009306	0.000942	0.000548	0.026135	0.001006	0.003507



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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

**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					
User Defined Commercial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Commercial	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

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

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
<b>Total</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>		<b>2.3000e-004</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	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
<b>Total</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>		<b>2.3000e-004</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Off-Highway Trucks	1	2.00	52	402	0.38	Diesel
Forklifts	1	2.00	52	89	0.20	Diesel

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

**UnMitigated/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
Equipment Type	lb/day										lb/day					
Forklifts	0.0256	0.2399	0.2862	3.8000e-004		0.0148	0.0148		0.0136	0.0136	0.0000	37.0077	37.0077	0.0120		37.3069
Off-Highway Trucks	0.1260	0.8920	0.8221	3.3100e-003		0.0323	0.0323		0.0297	0.0297	0.0000	319.9721	319.9721	0.1035		322.5593
<b>Total</b>	<b>0.1516</b>	<b>1.1319</b>	<b>1.1083</b>	<b>3.6900e-003</b>		<b>0.0471</b>	<b>0.0471</b>		<b>0.0433</b>	<b>0.0433</b>	<b>0.0000</b>	<b>356.9798</b>	<b>356.9798</b>	<b>0.1155</b>		<b>359.8662</b>

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**