

**Air Quality and Greenhouse Gas Emissions Modeling Output Files**

Bell Avenue - Sacramento County, Summer

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

**Bell Avenue  
Sacramento County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	16.96	1000sqft	0.39	16,965.00	0
Other Non-Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Parking Lot	91.00	Space	0.82	36,400.00	0
Fast Food Restaurant with Drive Thru	5.82	1000sqft	0.13	5,820.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2024
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MW hr)</b>	357.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Other non-asphalt surface used to account for total SF of the project site.

Construction Phase - Building construction, paving and painting assumed to occur simultaneously

Demolition - Approximate SF of single family home and commercial use currently on the project site.

Vehicle Trips - Trips updated to match the traffic report provided by Kimley Horn (2020)

Construction Off-road Equipment Mitigation - SMAQMD Ruel 403

Mobile Land Use Mitigation - Employee numbers per USGBC

Bell Avenue - Sacramento County, Summer

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Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	40
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	220.00
tblConstructionPhase	NumDays	10.00	220.00
tblLandUse	LandUseSquareFeet	16,960.00	16,965.00
tblVehicleTrips	ST_TR	616.12	235.58
tblVehicleTrips	ST_TR	1.64	53.10
tblVehicleTrips	SU_TR	472.58	235.58
tblVehicleTrips	SU_TR	0.76	53.10
tblVehicleTrips	WD_TR	470.95	235.58
tblVehicleTrips	WD_TR	11.07	53.10

**2.0 Emissions Summary**

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Bell Avenue - Sacramento County, Summer

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

**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	4.3408	26.3878	30.0355	0.0538	7.1587	1.2834	7.9014	3.4449	1.2158	4.1282	0.0000	5,107.852 2	5,107.852 2	1.0251	0.0648	5,152.781 7
2023	4.0949	24.4275	29.6988	0.0535	0.5893	1.1252	1.7144	0.1586	1.0656	1.2242	0.0000	5,083.904 4	5,083.904 4	1.0129	0.0621	5,127.736 9
<b>Maximum</b>	<b>4.3408</b>	<b>26.3878</b>	<b>30.0355</b>	<b>0.0538</b>	<b>7.1587</b>	<b>1.2834</b>	<b>7.9014</b>	<b>3.4449</b>	<b>1.2158</b>	<b>4.1282</b>	<b>0.0000</b>	<b>5,107.852 2</b>	<b>5,107.852 2</b>	<b>1.0251</b>	<b>0.0648</b>	<b>5,152.781 7</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	lb/day										lb/day					
2022	4.3408	26.3878	30.0355	0.0538	2.8118	1.2834	3.5545	1.3493	1.2158	2.0326	0.0000	5,107.852 2	5,107.852 2	1.0251	0.0648	5,152.781 7
2023	4.0949	24.4275	29.6988	0.0535	0.3908	1.1252	1.5160	0.1099	1.0656	1.1755	0.0000	5,083.904 4	5,083.904 4	1.0129	0.0621	5,127.736 9
<b>Maximum</b>	<b>4.3408</b>	<b>26.3878</b>	<b>30.0355</b>	<b>0.0538</b>	<b>2.8118</b>	<b>1.2834</b>	<b>3.5545</b>	<b>1.3493</b>	<b>1.2158</b>	<b>2.0326</b>	<b>0.0000</b>	<b>5,107.852 2</b>	<b>5,107.852 2</b>	<b>1.0251</b>	<b>0.0648</b>	<b>5,152.781 7</b>



Bell Avenue - Sacramento County, Summer

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5810	1.1000e-004	0.0117	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0251	0.0251	7.0000e-005		0.0268
Energy	0.0384	0.3490	0.2931	2.0900e-003		0.0265	0.0265		0.0265	0.0265		418.7483	418.7483	8.0300e-003	7.6800e-003	421.2367
Mobile	6.1587	4.4689	35.3873	0.0633	6.1101	0.0505	6.1606	1.6290	0.0471	1.6761		6,561.6198	6,561.6198	0.5137	0.3508	6,678.9978
<b>Total</b>	<b>6.7780</b>	<b>4.8179</b>	<b>35.6921</b>	<b>0.0654</b>	<b>6.1101</b>	<b>0.0771</b>	<b>6.1872</b>	<b>1.6290</b>	<b>0.0737</b>	<b>1.7027</b>		<b>6,980.3932</b>	<b>6,980.3932</b>	<b>0.5218</b>	<b>0.3585</b>	<b>7,100.2612</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	0.5810	1.1000e-004	0.0117	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0251	0.0251	7.0000e-005		0.0268
Energy	0.0384	0.3490	0.2931	2.0900e-003		0.0265	0.0265		0.0265	0.0265		418.7483	418.7483	8.0300e-003	7.6800e-003	421.2367
Mobile	5.7812	3.6607	28.2644	0.0459	4.3387	0.0386	4.3772	1.1567	0.0360	1.1927		4,761.4303	4,761.4303	0.4372	0.2882	4,858.2413
<b>Total</b>	<b>6.4005</b>	<b>4.0097</b>	<b>28.5692</b>	<b>0.0480</b>	<b>4.3387</b>	<b>0.0651</b>	<b>4.4038</b>	<b>1.1567</b>	<b>0.0625</b>	<b>1.2193</b>		<b>5,180.2037</b>	<b>5,180.2037</b>	<b>0.4453</b>	<b>0.2959</b>	<b>5,279.5048</b>

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.57	16.77	19.96	26.56	28.99	15.48	28.82	28.99	15.16	28.39	0.00	25.79	25.79	14.65	17.46	25.64

**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	3/1/2022	3/28/2022	5	20	
2	Site Preparation	Site Preparation	3/29/2022	3/31/2022	5	3	
3	Grading	Grading	4/1/2022	4/8/2022	5	6	
4	Building Construction	Building Construction	4/9/2022	2/10/2023	5	220	
5	Paving	Paving	4/9/2022	2/10/2023	5	220	
6	Architectural Coating	Architectural Coating	4/9/2022	2/10/2023	5	220	

**Acres of Grading (Site Preparation Phase): 4.5**

**Acres of Grading (Grading Phase): 6**

**Acres of Paving: 1.82**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 34,178; Non-Residential Outdoor: 11,393; Striped Parking Area: 4,798 (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	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48

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Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	29.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	41.00	17.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area



Bell Avenue - Sacramento County, Summer

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

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**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					0.3264	0.0000	0.3264	0.0494	0.0000	0.0494			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.3264</b>	<b>0.8379</b>	<b>1.1643</b>	<b>0.0494</b>	<b>0.7829</b>	<b>0.8323</b>		<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</b>

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**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	6.0200e-003	0.2521	0.0495	9.4000e-004	0.0253	2.1700e-003	0.0275	6.9300e-003	2.0800e-003	9.0000e-003		102.7093	102.7093	4.1200e-003	0.0163	107.6640
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0238	0.3845	9.3000e-004	0.0989	5.4000e-004	0.0994	0.0262	4.9000e-004	0.0267		94.9977	94.9977	2.8200e-003	2.4500e-003	95.7998
<b>Total</b>	<b>0.0531</b>	<b>0.2759</b>	<b>0.4340</b>	<b>1.8700e-003</b>	<b>0.1242</b>	<b>2.7100e-003</b>	<b>0.1269</b>	<b>0.0332</b>	<b>2.5700e-003</b>	<b>0.0357</b>		<b>197.7070</b>	<b>197.7070</b>	<b>6.9400e-003</b>	<b>0.0187</b>	<b>203.4638</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					0.1273	0.0000	0.1273	0.0193	0.0000	0.0193			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.1273</b>	<b>0.8379</b>	<b>0.9652</b>	<b>0.0193</b>	<b>0.7829</b>	<b>0.8022</b>	<b>0.0000</b>	<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</b>

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

**3.2 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	6.0200e-003	0.2521	0.0495	9.4000e-004	0.0176	2.1700e-003	0.0198	5.0400e-003	2.0800e-003	7.1200e-003		102.7093	102.7093	4.1200e-003	0.0163	107.6640
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0238	0.3845	9.3000e-004	0.0645	5.4000e-004	0.0651	0.0178	4.9000e-004	0.0183		94.9977	94.9977	2.8200e-003	2.4500e-003	95.7998
<b>Total</b>	<b>0.0531</b>	<b>0.2759</b>	<b>0.4340</b>	<b>1.8700e-003</b>	<b>0.0821</b>	<b>2.7100e-003</b>	<b>0.0849</b>	<b>0.0228</b>	<b>2.5700e-003</b>	<b>0.0254</b>		<b>197.7070</b>	<b>197.7070</b>	<b>6.9400e-003</b>	<b>0.0187</b>	<b>203.4638</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					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>1.5908</b>	<b>0.5952</b>	<b>2.1859</b>	<b>0.1718</b>	<b>0.5476</b>	<b>0.7193</b>		<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</b>

Bell Avenue - Sacramento County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0290	0.0146	0.2366	5.7000e-004	0.0609	3.3000e-004	0.0612	0.0161	3.0000e-004	0.0165		58.4601	58.4601	1.7400e-003	1.5100e-003	58.9537
<b>Total</b>	<b>0.0290</b>	<b>0.0146</b>	<b>0.2366</b>	<b>5.7000e-004</b>	<b>0.0609</b>	<b>3.3000e-004</b>	<b>0.0612</b>	<b>0.0161</b>	<b>3.0000e-004</b>	<b>0.0165</b>		<b>58.4601</b>	<b>58.4601</b>	<b>1.7400e-003</b>	<b>1.5100e-003</b>	<b>58.9537</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					0.6204	0.0000	0.6204	0.0670	0.0000	0.0670			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>0.6204</b>	<b>0.5952</b>	<b>1.2156</b>	<b>0.0670</b>	<b>0.5476</b>	<b>0.6146</b>	<b>0.0000</b>	<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</b>

Bell Avenue - Sacramento County, Summer

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**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	0.0290	0.0146	0.2366	5.7000e-004	0.0397	3.3000e-004	0.0400	0.0110	3.0000e-004	0.0113		58.4601	58.4601	1.7400e-003	1.5100e-003	58.9537
<b>Total</b>	<b>0.0290</b>	<b>0.0146</b>	<b>0.2366</b>	<b>5.7000e-004</b>	<b>0.0397</b>	<b>3.3000e-004</b>	<b>0.0400</b>	<b>0.0110</b>	<b>3.0000e-004</b>	<b>0.0113</b>		<b>58.4601</b>	<b>58.4601</b>	<b>1.7400e-003</b>	<b>1.5100e-003</b>	<b>58.9537</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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>7.0826</b>	<b>0.7423</b>	<b>7.8249</b>	<b>3.4247</b>	<b>0.6829</b>	<b>4.1076</b>		<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</b>

Bell Avenue - Sacramento County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0000	0.0000	0.0000	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	0.0362	0.0183	0.2958	7.2000e-004	0.0761	4.1000e-004	0.0765	0.0202	3.8000e-004	0.0206		73.0752	73.0752	2.1700e-003	1.8900e-003	73.6921
<b>Total</b>	<b>0.0362</b>	<b>0.0183</b>	<b>0.2958</b>	<b>7.2000e-004</b>	<b>0.0761</b>	<b>4.1000e-004</b>	<b>0.0765</b>	<b>0.0202</b>	<b>3.8000e-004</b>	<b>0.0206</b>		<b>73.0752</b>	<b>73.0752</b>	<b>2.1700e-003</b>	<b>1.8900e-003</b>	<b>73.6921</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					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>2.7622</b>	<b>0.7423</b>	<b>3.5045</b>	<b>1.3357</b>	<b>0.6829</b>	<b>2.0186</b>	<b>0.0000</b>	<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</b>

Bell Avenue - Sacramento County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0000	0.0000	0.0000	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	0.0362	0.0183	0.2958	7.2000e-004	0.0496	4.1000e-004	0.0500	0.0137	3.8000e-004	0.0141		73.0752	73.0752	2.1700e-003	1.8900e-003	73.6921
<b>Total</b>	<b>0.0362</b>	<b>0.0183</b>	<b>0.2958</b>	<b>7.2000e-004</b>	<b>0.0496</b>	<b>4.1000e-004</b>	<b>0.0500</b>	<b>0.0137</b>	<b>3.8000e-004</b>	<b>0.0141</b>		<b>73.0752</b>	<b>73.0752</b>	<b>2.1700e-003</b>	<b>1.8900e-003</b>	<b>73.6921</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>		<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</b>

Bell Avenue - Sacramento County, Summer

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

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0368	0.9260	0.2788	3.3600e-003	0.1024	8.9900e-003	0.1114	0.0295	8.6000e-003	0.0381		359.7525	359.7525	9.4000e-003	0.0527	375.6873
Worker	0.1486	0.0750	1.2126	2.9500e-003	0.3119	1.6900e-003	0.3136	0.0827	1.5600e-003	0.0843		299.6082	299.6082	8.8900e-003	7.7400e-003	302.1378
<b>Total</b>	<b>0.1853</b>	<b>1.0010</b>	<b>1.4914</b>	<b>6.3100e-003</b>	<b>0.4143</b>	<b>0.0107</b>	<b>0.4250</b>	<b>0.1122</b>	<b>0.0102</b>	<b>0.1224</b>		<b>659.3607</b>	<b>659.3607</b>	<b>0.0183</b>	<b>0.0604</b>	<b>677.8250</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					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>	<b>0.0000</b>	<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</b>



Bell Avenue - Sacramento County, Summer

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

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0368	0.9260	0.2788	3.3600e-003	0.0732	8.9900e-003	0.0822	0.0223	8.6000e-003	0.0309		359.7525	359.7525	9.4000e-003	0.0527	375.6873
Worker	0.1486	0.0750	1.2126	2.9500e-003	0.2035	1.6900e-003	0.2052	0.0561	1.5600e-003	0.0577		299.6082	299.6082	8.8900e-003	7.7400e-003	302.1378
<b>Total</b>	<b>0.1853</b>	<b>1.0010</b>	<b>1.4914</b>	<b>6.3100e-003</b>	<b>0.2767</b>	<b>0.0107</b>	<b>0.2874</b>	<b>0.0784</b>	<b>0.0102</b>	<b>0.0886</b>		<b>659.3607</b>	<b>659.3607</b>	<b>0.0183</b>	<b>0.0604</b>	<b>677.8250</b>

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
<b>Total</b>	<b>1.7136</b>	<b>13.6239</b>	<b>14.2145</b>	<b>0.0250</b>		<b>0.6136</b>	<b>0.6136</b>		<b>0.5880</b>	<b>0.5880</b>		<b>2,289.5233</b>	<b>2,289.5233</b>	<b>0.4330</b>		<b>2,300.3479</b>

Bell Avenue - Sacramento County, Summer

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

**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0228	0.7872	0.2451	3.2400e-003	0.1024	4.4000e-003	0.1068	0.0295	4.2000e-003	0.0337		347.4532	347.4532	8.5900e-003	0.0509	362.8455
Worker	0.1382	0.0664	1.1174	2.8500e-003	0.3119	1.6100e-003	0.3135	0.0827	1.4800e-003	0.0842		291.7965	291.7965	8.0100e-003	7.1700e-003	294.1322
<b>Total</b>	<b>0.1609</b>	<b>0.8536</b>	<b>1.3624</b>	<b>6.0900e-003</b>	<b>0.4143</b>	<b>6.0100e-003</b>	<b>0.4203</b>	<b>0.1122</b>	<b>5.6800e-003</b>	<b>0.1179</b>		<b>639.2497</b>	<b>639.2497</b>	<b>0.0166</b>	<b>0.0581</b>	<b>656.9777</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					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
<b>Total</b>	<b>1.7136</b>	<b>13.6239</b>	<b>14.2145</b>	<b>0.0250</b>		<b>0.6136</b>	<b>0.6136</b>		<b>0.5880</b>	<b>0.5880</b>	<b>0.0000</b>	<b>2,289.5233</b>	<b>2,289.5233</b>	<b>0.4330</b>		<b>2,300.3479</b>

Bell Avenue - Sacramento County, Summer

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

**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0228	0.7872	0.2451	3.2400e-003	0.0732	4.4000e-003	0.0776	0.0223	4.2000e-003	0.0265		347.4532	347.4532	8.5900e-003	0.0509	362.8455
Worker	0.1382	0.0664	1.1174	2.8500e-003	0.2035	1.6100e-003	0.2051	0.0561	1.4800e-003	0.0576		291.7965	291.7965	8.0100e-003	7.1700e-003	294.1322
<b>Total</b>	<b>0.1609</b>	<b>0.8536</b>	<b>1.3624</b>	<b>6.0900e-003</b>	<b>0.2767</b>	<b>6.0100e-003</b>	<b>0.2827</b>	<b>0.0784</b>	<b>5.6800e-003</b>	<b>0.0841</b>		<b>639.2497</b>	<b>639.2497</b>	<b>0.0166</b>	<b>0.0581</b>	<b>656.9777</b>

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	9.7700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9509</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>		<b>1,709.6892</b>	<b>1,709.6892</b>	<b>0.5419</b>		<b>1,723.2356</b>

Bell Avenue - Sacramento County, Summer

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

**3.6 Paving - 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	0.0544	0.0275	0.4436	1.0800e-003	0.1141	6.2000e-004	0.1147	0.0303	5.7000e-004	0.0308		109.6128	109.6128	3.2500e-003	2.8300e-003	110.5382
<b>Total</b>	<b>0.0544</b>	<b>0.0275</b>	<b>0.4436</b>	<b>1.0800e-003</b>	<b>0.1141</b>	<b>6.2000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>5.7000e-004</b>	<b>0.0308</b>		<b>109.6128</b>	<b>109.6128</b>	<b>3.2500e-003</b>	<b>2.8300e-003</b>	<b>110.5382</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					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	9.7700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9509</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>	<b>0.0000</b>	<b>1,709.6892</b>	<b>1,709.6892</b>	<b>0.5419</b>		<b>1,723.2356</b>

Bell Avenue - Sacramento County, Summer

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

**3.6 Paving - 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	0.0544	0.0275	0.4436	1.0800e-003	0.0744	6.2000e-004	0.0751	0.0205	5.7000e-004	0.0211		109.6128	109.6128	3.2500e-003	2.8300e-003	110.5382
<b>Total</b>	<b>0.0544</b>	<b>0.0275</b>	<b>0.4436</b>	<b>1.0800e-003</b>	<b>0.0744</b>	<b>6.2000e-004</b>	<b>0.0751</b>	<b>0.0205</b>	<b>5.7000e-004</b>	<b>0.0211</b>		<b>109.6128</b>	<b>109.6128</b>	<b>3.2500e-003</b>	<b>2.8300e-003</b>	<b>110.5382</b>

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	9.7700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8900</b>	<b>8.6098</b>	<b>11.6840</b>	<b>0.0179</b>		<b>0.4338</b>	<b>0.4338</b>		<b>0.4003</b>	<b>0.4003</b>		<b>1,709.9926</b>	<b>1,709.9926</b>	<b>0.5420</b>		<b>1,723.5414</b>

Bell Avenue - Sacramento County, Summer

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

**3.6 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0505	0.0243	0.4088	1.0400e-003	0.1141	5.9000e-004	0.1147	0.0303	5.4000e-004	0.0308		106.7548	106.7548	2.9300e-003	2.6200e-003	107.6093
<b>Total</b>	<b>0.0505</b>	<b>0.0243</b>	<b>0.4088</b>	<b>1.0400e-003</b>	<b>0.1141</b>	<b>5.9000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>5.4000e-004</b>	<b>0.0308</b>		<b>106.7548</b>	<b>106.7548</b>	<b>2.9300e-003</b>	<b>2.6200e-003</b>	<b>107.6093</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					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	9.7700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8900</b>	<b>8.6098</b>	<b>11.6840</b>	<b>0.0179</b>		<b>0.4338</b>	<b>0.4338</b>		<b>0.4003</b>	<b>0.4003</b>	<b>0.0000</b>	<b>1,709.9926</b>	<b>1,709.9926</b>	<b>0.5420</b>		<b>1,723.5414</b>

Bell Avenue - Sacramento County, Summer

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

**3.6 Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0505	0.0243	0.4088	1.0400e-003	0.0744	5.9000e-004	0.0750	0.0205	5.4000e-004	0.0211		106.7548	106.7548	2.9300e-003	2.6200e-003	107.6093
<b>Total</b>	<b>0.0505</b>	<b>0.0243</b>	<b>0.4088</b>	<b>1.0400e-003</b>	<b>0.0744</b>	<b>5.9000e-004</b>	<b>0.0750</b>	<b>0.0205</b>	<b>5.4000e-004</b>	<b>0.0211</b>		<b>106.7548</b>	<b>106.7548</b>	<b>2.9300e-003</b>	<b>2.6200e-003</b>	<b>107.6093</b>

**3.7 Architectural Coating - 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					
Archit. Coating	1.0612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>1.2657</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Bell Avenue - Sacramento County, Summer

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

**3.7 Architectural Coating - 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	0.0290	0.0146	0.2366	5.7000e-004	0.0609	3.3000e-004	0.0612	0.0161	3.0000e-004	0.0165		58.4601	58.4601	1.7400e-003	1.5100e-003	58.9537
<b>Total</b>	<b>0.0290</b>	<b>0.0146</b>	<b>0.2366</b>	<b>5.7000e-004</b>	<b>0.0609</b>	<b>3.3000e-004</b>	<b>0.0612</b>	<b>0.0161</b>	<b>3.0000e-004</b>	<b>0.0165</b>		<b>58.4601</b>	<b>58.4601</b>	<b>1.7400e-003</b>	<b>1.5100e-003</b>	<b>58.9537</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					
Archit. Coating	1.0612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>1.2657</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>



Bell Avenue - Sacramento County, Summer

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

**3.7 Architectural Coating - 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	0.0290	0.0146	0.2366	5.7000e-004	0.0397	3.3000e-004	0.0400	0.0110	3.0000e-004	0.0113		58.4601	58.4601	1.7400e-003	1.5100e-003	58.9537
<b>Total</b>	<b>0.0290</b>	<b>0.0146</b>	<b>0.2366</b>	<b>5.7000e-004</b>	<b>0.0397</b>	<b>3.3000e-004</b>	<b>0.0400</b>	<b>0.0110</b>	<b>3.0000e-004</b>	<b>0.0113</b>		<b>58.4601</b>	<b>58.4601</b>	<b>1.7400e-003</b>	<b>1.5100e-003</b>	<b>58.9537</b>

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.0612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>1.2528</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

Bell Avenue - Sacramento County, Summer

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

**3.7 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0270	0.0130	0.2180	5.6000e-004	0.0609	3.1000e-004	0.0612	0.0161	2.9000e-004	0.0164		56.9359	56.9359	1.5600e-003	1.4000e-003	57.3916
<b>Total</b>	<b>0.0270</b>	<b>0.0130</b>	<b>0.2180</b>	<b>5.6000e-004</b>	<b>0.0609</b>	<b>3.1000e-004</b>	<b>0.0612</b>	<b>0.0161</b>	<b>2.9000e-004</b>	<b>0.0164</b>		<b>56.9359</b>	<b>56.9359</b>	<b>1.5600e-003</b>	<b>1.4000e-003</b>	<b>57.3916</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					
Archit. Coating	1.0612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>1.2528</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

Bell Avenue - Sacramento County, Summer

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

**3.7 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0270	0.0130	0.2180	5.6000e-004	0.0397	3.1000e-004	0.0400	0.0110	2.9000e-004	0.0112		56.9359	56.9359	1.5600e-003	1.4000e-003	57.3916
<b>Total</b>	<b>0.0270</b>	<b>0.0130</b>	<b>0.2180</b>	<b>5.6000e-004</b>	<b>0.0397</b>	<b>3.1000e-004</b>	<b>0.0400</b>	<b>0.0110</b>	<b>2.9000e-004</b>	<b>0.0112</b>		<b>56.9359</b>	<b>56.9359</b>	<b>1.5600e-003</b>	<b>1.4000e-003</b>	<b>57.3916</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Increase Density

Increase Diversity

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

Bell Avenue - Sacramento County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.7812	3.6607	28.2644	0.0459	4.3387	0.0386	4.3772	1.1567	0.0360	1.1927		4,761.4303	4,761.4303	0.4372	0.2882	4,858.2413
Unmitigated	6.1587	4.4689	35.3873	0.0633	6.1101	0.0505	6.1606	1.6290	0.0471	1.6761		6,561.6198	6,561.6198	0.5137	0.3508	6,678.9978

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant with Drive Thru	1,371.08	1,371.08	1371.08	947,132	672,539
Office Park	900.58	900.58	900.58	1,950,390	1,384,931
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>2,271.65</b>	<b>2,271.65</b>	<b>2,271.65</b>	<b>2,897,521</b>	<b>2,057,470</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Fast Food Restaurant with Drive	10.00	5.00	6.50	2.20	78.80	19.00	29	21	50
Office Park	10.00	5.00	6.50	33.00	48.00	19.00	82	15	3
Other Non-Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Bell Avenue - Sacramento County, Summer

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Fast Food Restaurant with Drive Thru	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351
Office Park	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351
Other Non-Asphalt Surfaces	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351
Parking Lot	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Natural Gas Mitigated	0.0384	0.3490	0.2931	2.0900e-003	0.0265	0.0265	0.0265	0.0265	0.0265	0.0265	418.7483	418.7483	418.7483	8.0300e-003	7.6800e-003	421.2367
Natural Gas Unmitigated	0.0384	0.3490	0.2931	2.0900e-003	0.0265	0.0265	0.0265	0.0265	0.0265	0.0265	418.7483	418.7483	418.7483	8.0300e-003	7.6800e-003	421.2367
lb/day																

Bell Avenue - Sacramento County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

**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						
Fast Food Restaurant with Drive Thru	2824.06	0.0305	0.2769	0.2326	1.6600e-003		0.0210	0.0210		0.0210	0.0210			332.2418	332.2418	6.3700e-003	6.0900e-003	334.2162
Office Park	735.305	7.9300e-003	0.0721	0.0606	4.3000e-004		5.4800e-003	5.4800e-003		5.4800e-003	5.4800e-003			86.5065	86.5065	1.6600e-003	1.5900e-003	87.0205
Other Non-Asphalt Surfaces	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0384</b>	<b>0.3490</b>	<b>0.2931</b>	<b>2.0900e-003</b>		<b>0.0265</b>	<b>0.0265</b>		<b>0.0265</b>	<b>0.0265</b>			<b>418.7483</b>	<b>418.7483</b>	<b>8.0300e-003</b>	<b>7.6800e-003</b>	<b>421.2367</b>

Bell Avenue - Sacramento County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Fast Food Restaurant with Drive Thru	2.82406	0.0305	0.2769	0.2326	1.6600e-003		0.0210	0.0210		0.0210	0.0210			332.2418	332.2418	6.3700e-003	6.0900e-003	334.2162
Office Park	0.735305	7.9300e-003	0.0721	0.0606	4.3000e-004		5.4800e-003	5.4800e-003		5.4800e-003	5.4800e-003			86.5065	86.5065	1.6600e-003	1.5900e-003	87.0205
Other Non-Asphalt Surfaces	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0384</b>	<b>0.3490</b>	<b>0.2931</b>	<b>2.0900e-003</b>		<b>0.0265</b>	<b>0.0265</b>		<b>0.0265</b>	<b>0.0265</b>			<b>418.7483</b>	<b>418.7483</b>	<b>8.0300e-003</b>	<b>7.6800e-003</b>	<b>421.2367</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Bell Avenue - Sacramento County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5810	1.1000e-004	0.0117	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0251	0.0251	7.0000e-005		0.0268
Unmitigated	0.5810	1.1000e-004	0.0117	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0251	0.0251	7.0000e-005		0.0268

**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	0.0640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0800e-003	1.1000e-004	0.0117	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0251	0.0251	7.0000e-005		0.0268
<b>Total</b>	<b>0.5810</b>	<b>1.1000e-004</b>	<b>0.0117</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0251</b>	<b>0.0251</b>	<b>7.0000e-005</b>		<b>0.0268</b>



Bell Avenue - Sacramento County, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0800e-003	1.1000e-004	0.0117	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0251	0.0251	7.0000e-005		0.0268
<b>Total</b>	<b>0.5810</b>	<b>1.1000e-004</b>	<b>0.0117</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0251</b>	<b>0.0251</b>	<b>7.0000e-005</b>		<b>0.0268</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Bell Avenue - Sacramento County, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Bell Avenue - Sacramento County, Winter

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

**Bell Avenue  
Sacramento County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	16.96	1000sqft	0.39	16,965.00	0
Other Non-Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Parking Lot	91.00	Space	0.82	36,400.00	0
Fast Food Restaurant with Drive Thru	5.82	1000sqft	0.13	5,820.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2024
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MW hr)</b>	357.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Other non-asphalt surface used to account for total SF of the project site.

Construction Phase - Building construction, paving and painting assumed to occur simultaneously

Demolition - Approximate SF of single family home and commercial use currently on the project site.

Vehicle Trips - Trips updated to match the traffic report provided by Kimley Horn (2020)

Construction Off-road Equipment Mitigation - SMAQMD Ruel 403

Mobile Land Use Mitigation - Employee numbers per USGBC

Bell Avenue - Sacramento County, Winter

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

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	40
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	220.00
tblConstructionPhase	NumDays	10.00	220.00
tblLandUse	LandUseSquareFeet	16,960.00	16,965.00
tblVehicleTrips	ST_TR	616.12	235.58
tblVehicleTrips	ST_TR	1.64	53.10
tblVehicleTrips	SU_TR	472.58	235.58
tblVehicleTrips	SU_TR	0.76	53.10
tblVehicleTrips	WD_TR	470.95	235.58
tblVehicleTrips	WD_TR	11.07	53.10

**2.0 Emissions Summary**

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Bell Avenue - Sacramento County, Winter

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

**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	4.3132	26.4830	29.7946	0.0533	7.1587	1.2835	7.9014	3.4449	1.2159	4.1282	0.0000	5,055.9885	5,055.9885	1.0271	0.0666	5,101.5255
2023	4.0694	24.5099	29.4849	0.0531	0.5893	1.1252	1.7145	0.1586	1.0657	1.2243	0.0000	5,033.8361	5,033.8361	1.0147	0.0639	5,078.2412
<b>Maximum</b>	<b>4.3132</b>	<b>26.4830</b>	<b>29.7946</b>	<b>0.0533</b>	<b>7.1587</b>	<b>1.2835</b>	<b>7.9014</b>	<b>3.4449</b>	<b>1.2159</b>	<b>4.1282</b>	<b>0.0000</b>	<b>5,055.9885</b>	<b>5,055.9885</b>	<b>1.0271</b>	<b>0.0666</b>	<b>5,101.5255</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	lb/day										lb/day					
2022	4.3132	26.4830	29.7946	0.0533	2.8118	1.2835	3.5545	1.3493	1.2159	2.0326	0.0000	5,055.9885	5,055.9885	1.0271	0.0666	5,101.5255
2023	4.0694	24.5099	29.4849	0.0531	0.3908	1.1252	1.5160	0.1099	1.0657	1.1756	0.0000	5,033.8361	5,033.8361	1.0147	0.0639	5,078.2412
<b>Maximum</b>	<b>4.3132</b>	<b>26.4830</b>	<b>29.7946</b>	<b>0.0533</b>	<b>2.8118</b>	<b>1.2835</b>	<b>3.5545</b>	<b>1.3493</b>	<b>1.2159</b>	<b>2.0326</b>	<b>0.0000</b>	<b>5,055.9885</b>	<b>5,055.9885</b>	<b>1.0271</b>	<b>0.0666</b>	<b>5,101.5255</b>

## Bell Avenue - Sacramento County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	58.66	0.00	47.27	59.51	0.00	40.06	0.00	0.00	0.00	0.00	0.00	0.00

Bell Avenue - Sacramento County, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5810	1.1000e-004	0.0117	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0251	0.0251	7.0000e-005		0.0268
Energy	0.0384	0.3490	0.2931	2.0900e-003		0.0265	0.0265		0.0265	0.0265		418.7483	418.7483	8.0300e-003	7.6800e-003	421.2367
Mobile	4.5031	5.1579	37.6308	0.0581	6.1101	0.0506	6.1607	1.6290	0.0473	1.6763		6,020.5290	6,020.5290	0.6150	0.3856	6,150.8088
<b>Total</b>	<b>5.1224</b>	<b>5.5070</b>	<b>37.9356</b>	<b>0.0602</b>	<b>6.1101</b>	<b>0.0772</b>	<b>6.1873</b>	<b>1.6290</b>	<b>0.0738</b>	<b>1.7028</b>		<b>6,439.3024</b>	<b>6,439.3024</b>	<b>0.6231</b>	<b>0.3933</b>	<b>6,572.0722</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	0.5810	1.1000e-004	0.0117	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0251	0.0251	7.0000e-005		0.0268
Energy	0.0384	0.3490	0.2931	2.0900e-003		0.0265	0.0265		0.0265	0.0265		418.7483	418.7483	8.0300e-003	7.6800e-003	421.2367
Mobile	4.1096	4.2181	31.3686	0.0423	4.3387	0.0387	4.3774	1.1567	0.0361	1.1928		4,380.3412	4,380.3412	0.5388	0.3178	4,488.5207
<b>Total</b>	<b>4.7289</b>	<b>4.5672</b>	<b>31.6734</b>	<b>0.0443</b>	<b>4.3387</b>	<b>0.0653</b>	<b>4.4039</b>	<b>1.1567</b>	<b>0.0627</b>	<b>1.2194</b>		<b>4,799.1146</b>	<b>4,799.1146</b>	<b>0.5469</b>	<b>0.3255</b>	<b>4,909.7842</b>

Bell Avenue - Sacramento County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	7.68	17.07	16.51	26.30	28.99	15.44	28.82	28.99	15.12	28.39	0.00	25.47	25.47	12.23	17.23	25.29

**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	3/1/2022	3/28/2022	5	20	
2	Site Preparation	Site Preparation	3/29/2022	3/31/2022	5	3	
3	Grading	Grading	4/1/2022	4/8/2022	5	6	
4	Building Construction	Building Construction	4/9/2022	2/10/2023	5	220	
5	Paving	Paving	4/9/2022	2/10/2023	5	220	
6	Architectural Coating	Architectural Coating	4/9/2022	2/10/2023	5	220	

**Acres of Grading (Site Preparation Phase): 4.5**

**Acres of Grading (Grading Phase): 6**

**Acres of Paving: 1.82**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 34,178; Non-Residential Outdoor: 11,393; Striped Parking Area: 4,798 (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	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48



Bell Avenue - Sacramento County, Winter

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

Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	29.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	41.00	17.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Bell Avenue - Sacramento County, Winter

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

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**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					0.3264	0.0000	0.3264	0.0494	0.0000	0.0494			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.3264</b>	<b>0.8379</b>	<b>1.1643</b>	<b>0.0494</b>	<b>0.7829</b>	<b>0.8323</b>		<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</b>

Bell Avenue - Sacramento County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5.8600e-003	0.2723	0.0505	9.4000e-004	0.0253	2.1800e-003	0.0275	6.9300e-003	2.0900e-003	9.0100e-003		102.7241	102.7241	4.1200e-003	0.0163	107.6795
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	0.0416	0.0292	0.3331	8.3000e-004	0.0989	5.4000e-004	0.0994	0.0262	4.9000e-004	0.0267		84.4715	84.4715	3.2300e-003	2.8200e-003	85.3918
<b>Total</b>	<b>0.0475</b>	<b>0.3015</b>	<b>0.3836</b>	<b>1.7700e-003</b>	<b>0.1242</b>	<b>2.7200e-003</b>	<b>0.1269</b>	<b>0.0332</b>	<b>2.5800e-003</b>	<b>0.0357</b>		<b>187.1955</b>	<b>187.1955</b>	<b>7.3500e-003</b>	<b>0.0191</b>	<b>193.0713</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					0.1273	0.0000	0.1273	0.0193	0.0000	0.0193			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.1273</b>	<b>0.8379</b>	<b>0.9652</b>	<b>0.0193</b>	<b>0.7829</b>	<b>0.8022</b>	<b>0.0000</b>	<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</b>

Bell Avenue - Sacramento County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	5.8600e-003	0.2723	0.0505	9.4000e-004	0.0176	2.1800e-003	0.0198	5.0400e-003	2.0900e-003	7.1300e-003		102.7241	102.7241	4.1200e-003	0.0163	107.6795
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	0.0416	0.0292	0.3331	8.3000e-004	0.0645	5.4000e-004	0.0651	0.0178	4.9000e-004	0.0183		84.4715	84.4715	3.2300e-003	2.8200e-003	85.3918
<b>Total</b>	<b>0.0475</b>	<b>0.3015</b>	<b>0.3836</b>	<b>1.7700e-003</b>	<b>0.0821</b>	<b>2.7200e-003</b>	<b>0.0849</b>	<b>0.0228</b>	<b>2.5800e-003</b>	<b>0.0254</b>		<b>187.1955</b>	<b>187.1955</b>	<b>7.3500e-003</b>	<b>0.0191</b>	<b>193.0713</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					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>1.5908</b>	<b>0.5952</b>	<b>2.1859</b>	<b>0.1718</b>	<b>0.5476</b>	<b>0.7193</b>		<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</b>

Bell Avenue - Sacramento County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0256	0.0180	0.2050	5.1000e-004	0.0609	3.3000e-004	0.0612	0.0161	3.0000e-004	0.0165		51.9824	51.9824	1.9900e-003	1.7300e-003	52.5488
<b>Total</b>	<b>0.0256</b>	<b>0.0180</b>	<b>0.2050</b>	<b>5.1000e-004</b>	<b>0.0609</b>	<b>3.3000e-004</b>	<b>0.0612</b>	<b>0.0161</b>	<b>3.0000e-004</b>	<b>0.0165</b>		<b>51.9824</b>	<b>51.9824</b>	<b>1.9900e-003</b>	<b>1.7300e-003</b>	<b>52.5488</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					0.6204	0.0000	0.6204	0.0670	0.0000	0.0670			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>0.6204</b>	<b>0.5952</b>	<b>1.2156</b>	<b>0.0670</b>	<b>0.5476</b>	<b>0.6146</b>	<b>0.0000</b>	<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</b>

Bell Avenue - Sacramento County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0256	0.0180	0.2050	5.1000e-004	0.0397	3.3000e-004	0.0400	0.0110	3.0000e-004	0.0113		51.9824	51.9824	1.9900e-003	1.7300e-003	52.5488
<b>Total</b>	<b>0.0256</b>	<b>0.0180</b>	<b>0.2050</b>	<b>5.1000e-004</b>	<b>0.0397</b>	<b>3.3000e-004</b>	<b>0.0400</b>	<b>0.0110</b>	<b>3.0000e-004</b>	<b>0.0113</b>		<b>51.9824</b>	<b>51.9824</b>	<b>1.9900e-003</b>	<b>1.7300e-003</b>	<b>52.5488</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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>7.0826</b>	<b>0.7423</b>	<b>7.8249</b>	<b>3.4247</b>	<b>0.6829</b>	<b>4.1076</b>		<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</b>

Bell Avenue - Sacramento County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0000	0.0000	0.0000	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	0.0320	0.0225	0.2562	6.4000e-004	0.0761	4.1000e-004	0.0765	0.0202	3.8000e-004	0.0206		64.9780	64.9780	2.4800e-003	2.1700e-003	65.6860
<b>Total</b>	<b>0.0320</b>	<b>0.0225</b>	<b>0.2562</b>	<b>6.4000e-004</b>	<b>0.0761</b>	<b>4.1000e-004</b>	<b>0.0765</b>	<b>0.0202</b>	<b>3.8000e-004</b>	<b>0.0206</b>		<b>64.9780</b>	<b>64.9780</b>	<b>2.4800e-003</b>	<b>2.1700e-003</b>	<b>65.6860</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					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>2.7622</b>	<b>0.7423</b>	<b>3.5045</b>	<b>1.3357</b>	<b>0.6829</b>	<b>2.0186</b>	<b>0.0000</b>	<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</b>

Bell Avenue - Sacramento County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0000	0.0000	0.0000	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	0.0320	0.0225	0.2562	6.4000e-004	0.0496	4.1000e-004	0.0500	0.0137	3.8000e-004	0.0141		64.9780	64.9780	2.4800e-003	2.1700e-003	65.6860
<b>Total</b>	<b>0.0320</b>	<b>0.0225</b>	<b>0.2562</b>	<b>6.4000e-004</b>	<b>0.0496</b>	<b>4.1000e-004</b>	<b>0.0500</b>	<b>0.0137</b>	<b>3.8000e-004</b>	<b>0.0141</b>		<b>64.9780</b>	<b>64.9780</b>	<b>2.4800e-003</b>	<b>2.1700e-003</b>	<b>65.6860</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>		<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</b>



Bell Avenue - Sacramento County, Winter

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

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0362	0.9946	0.2911	3.3600e-003	0.1024	9.0600e-003	0.1115	0.0295	8.6600e-003	0.0382		359.7106	359.7106	9.3700e-003	0.0528	375.6706
Worker	0.1313	0.0921	1.0504	2.6200e-003	0.3119	1.6900e-003	0.3136	0.0827	1.5600e-003	0.0843		266.4100	266.4100	0.0102	8.8900e-003	269.3125
<b>Total</b>	<b>0.1674</b>	<b>1.0867</b>	<b>1.3416</b>	<b>5.9800e-003</b>	<b>0.4143</b>	<b>0.0108</b>	<b>0.4251</b>	<b>0.1122</b>	<b>0.0102</b>	<b>0.1224</b>		<b>626.1205</b>	<b>626.1205</b>	<b>0.0196</b>	<b>0.0617</b>	<b>644.9831</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					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>	<b>0.0000</b>	<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</b>

Bell Avenue - Sacramento County, Winter

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

**3.5 Building Construction - 2022**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0362	0.9946	0.2911	3.3600e-003	0.0732	9.0600e-003	0.0823	0.0223	8.6600e-003	0.0310		359.7106	359.7106	9.3700e-003	0.0528	375.6706
Worker	0.1313	0.0921	1.0504	2.6200e-003	0.2035	1.6900e-003	0.2052	0.0561	1.5600e-003	0.0577		266.4100	266.4100	0.0102	8.8900e-003	269.3125
<b>Total</b>	<b>0.1674</b>	<b>1.0867</b>	<b>1.3416</b>	<b>5.9800e-003</b>	<b>0.2767</b>	<b>0.0108</b>	<b>0.2874</b>	<b>0.0784</b>	<b>0.0102</b>	<b>0.0887</b>		<b>626.1205</b>	<b>626.1205</b>	<b>0.0196</b>	<b>0.0617</b>	<b>644.9831</b>

**3.5 Building Construction - 2023**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
<b>Total</b>	<b>1.7136</b>	<b>13.6239</b>	<b>14.2145</b>	<b>0.0250</b>		<b>0.6136</b>	<b>0.6136</b>		<b>0.5880</b>	<b>0.5880</b>		<b>2,289.5233</b>	<b>2,289.5233</b>	<b>0.4330</b>		<b>2,300.3479</b>

Bell Avenue - Sacramento County, Winter

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

**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0220	0.8460	0.2562	3.2400e-003	0.1024	4.4500e-003	0.1069	0.0295	4.2500e-003	0.0337		347.7022	347.7022	8.5500e-003	0.0511	363.1299
Worker	0.1224	0.0815	0.9732	2.5400e-003	0.3119	1.6100e-003	0.3135	0.0827	1.4800e-003	0.0842		259.5620	259.5620	9.2200e-003	8.2200e-003	262.2418
<b>Total</b>	<b>0.1444</b>	<b>0.9275</b>	<b>1.2294</b>	<b>5.7800e-003</b>	<b>0.4143</b>	<b>6.0600e-003</b>	<b>0.4204</b>	<b>0.1122</b>	<b>5.7300e-003</b>	<b>0.1179</b>		<b>607.2642</b>	<b>607.2642</b>	<b>0.0178</b>	<b>0.0593</b>	<b>625.3717</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					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
<b>Total</b>	<b>1.7136</b>	<b>13.6239</b>	<b>14.2145</b>	<b>0.0250</b>		<b>0.6136</b>	<b>0.6136</b>		<b>0.5880</b>	<b>0.5880</b>	<b>0.0000</b>	<b>2,289.5233</b>	<b>2,289.5233</b>	<b>0.4330</b>		<b>2,300.3479</b>

Bell Avenue - Sacramento County, Winter

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

**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0220	0.8460	0.2562	3.2400e-003	0.0732	4.4500e-003	0.0777	0.0223	4.2500e-003	0.0266		347.7022	347.7022	8.5500e-003	0.0511	363.1299
Worker	0.1224	0.0815	0.9732	2.5400e-003	0.2035	1.6100e-003	0.2051	0.0561	1.4800e-003	0.0576		259.5620	259.5620	9.2200e-003	8.2200e-003	262.2418
<b>Total</b>	<b>0.1444</b>	<b>0.9275</b>	<b>1.2294</b>	<b>5.7800e-003</b>	<b>0.2767</b>	<b>6.0600e-003</b>	<b>0.2827</b>	<b>0.0784</b>	<b>5.7300e-003</b>	<b>0.0842</b>		<b>607.2642</b>	<b>607.2642</b>	<b>0.0178</b>	<b>0.0593</b>	<b>625.3717</b>

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	9.7700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9509</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>		<b>1,709.6892</b>	<b>1,709.6892</b>	<b>0.5419</b>		<b>1,723.2356</b>

Bell Avenue - Sacramento County, Winter

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

**3.6 Paving - 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	0.0480	0.0337	0.3843	9.6000e-004	0.1141	6.2000e-004	0.1147	0.0303	5.7000e-004	0.0308		97.4671	97.4671	3.7200e-003	3.2500e-003	98.5290
<b>Total</b>	<b>0.0480</b>	<b>0.0337</b>	<b>0.3843</b>	<b>9.6000e-004</b>	<b>0.1141</b>	<b>6.2000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>5.7000e-004</b>	<b>0.0308</b>		<b>97.4671</b>	<b>97.4671</b>	<b>3.7200e-003</b>	<b>3.2500e-003</b>	<b>98.5290</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					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	9.7700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9509</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>	<b>0.0000</b>	<b>1,709.6892</b>	<b>1,709.6892</b>	<b>0.5419</b>		<b>1,723.2356</b>

Bell Avenue - Sacramento County, Winter

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

**3.6 Paving - 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	0.0480	0.0337	0.3843	9.6000e-004	0.0744	6.2000e-004	0.0751	0.0205	5.7000e-004	0.0211		97.4671	97.4671	3.7200e-003	3.2500e-003	98.5290
<b>Total</b>	<b>0.0480</b>	<b>0.0337</b>	<b>0.3843</b>	<b>9.6000e-004</b>	<b>0.0744</b>	<b>6.2000e-004</b>	<b>0.0751</b>	<b>0.0205</b>	<b>5.7000e-004</b>	<b>0.0211</b>		<b>97.4671</b>	<b>97.4671</b>	<b>3.7200e-003</b>	<b>3.2500e-003</b>	<b>98.5290</b>

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	9.7700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8900</b>	<b>8.6098</b>	<b>11.6840</b>	<b>0.0179</b>		<b>0.4338</b>	<b>0.4338</b>		<b>0.4003</b>	<b>0.4003</b>		<b>1,709.9926</b>	<b>1,709.9926</b>	<b>0.5420</b>		<b>1,723.5414</b>

Bell Avenue - Sacramento County, Winter

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

**3.6 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0448	0.0298	0.3560	9.3000e-004	0.1141	5.9000e-004	0.1147	0.0303	5.4000e-004	0.0308		94.9617	94.9617	3.3700e-003	3.0100e-003	95.9421
<b>Total</b>	<b>0.0448</b>	<b>0.0298</b>	<b>0.3560</b>	<b>9.3000e-004</b>	<b>0.1141</b>	<b>5.9000e-004</b>	<b>0.1147</b>	<b>0.0303</b>	<b>5.4000e-004</b>	<b>0.0308</b>		<b>94.9617</b>	<b>94.9617</b>	<b>3.3700e-003</b>	<b>3.0100e-003</b>	<b>95.9421</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					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	9.7700e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8900</b>	<b>8.6098</b>	<b>11.6840</b>	<b>0.0179</b>		<b>0.4338</b>	<b>0.4338</b>		<b>0.4003</b>	<b>0.4003</b>	<b>0.0000</b>	<b>1,709.9926</b>	<b>1,709.9926</b>	<b>0.5420</b>		<b>1,723.5414</b>

Bell Avenue - Sacramento County, Winter

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

**3.6 Paving - 2023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0448	0.0298	0.3560	9.3000e-004	0.0744	5.9000e-004	0.0750	0.0205	5.4000e-004	0.0211		94.9617	94.9617	3.3700e-003	3.0100e-003	95.9421
<b>Total</b>	<b>0.0448</b>	<b>0.0298</b>	<b>0.3560</b>	<b>9.3000e-004</b>	<b>0.0744</b>	<b>5.9000e-004</b>	<b>0.0750</b>	<b>0.0205</b>	<b>5.4000e-004</b>	<b>0.0211</b>		<b>94.9617</b>	<b>94.9617</b>	<b>3.3700e-003</b>	<b>3.0100e-003</b>	<b>95.9421</b>

**3.7 Architectural Coating - 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					
Archit. Coating	1.0612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>1.2657</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>



Bell Avenue - Sacramento County, Winter

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

**3.7 Architectural Coating - 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	0.0256	0.0180	0.2050	5.1000e-004	0.0609	3.3000e-004	0.0612	0.0161	3.0000e-004	0.0165		51.9824	51.9824	1.9900e-003	1.7300e-003	52.5488
<b>Total</b>	<b>0.0256</b>	<b>0.0180</b>	<b>0.2050</b>	<b>5.1000e-004</b>	<b>0.0609</b>	<b>3.3000e-004</b>	<b>0.0612</b>	<b>0.0161</b>	<b>3.0000e-004</b>	<b>0.0165</b>		<b>51.9824</b>	<b>51.9824</b>	<b>1.9900e-003</b>	<b>1.7300e-003</b>	<b>52.5488</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					
Archit. Coating	1.0612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>1.2657</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

Bell Avenue - Sacramento County, Winter

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

**3.7 Architectural Coating - 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	0.0256	0.0180	0.2050	5.1000e-004	0.0397	3.3000e-004	0.0400	0.0110	3.0000e-004	0.0113		51.9824	51.9824	1.9900e-003	1.7300e-003	52.5488
<b>Total</b>	<b>0.0256</b>	<b>0.0180</b>	<b>0.2050</b>	<b>5.1000e-004</b>	<b>0.0397</b>	<b>3.3000e-004</b>	<b>0.0400</b>	<b>0.0110</b>	<b>3.0000e-004</b>	<b>0.0113</b>		<b>51.9824</b>	<b>51.9824</b>	<b>1.9900e-003</b>	<b>1.7300e-003</b>	<b>52.5488</b>

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.0612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>1.2528</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

Bell Avenue - Sacramento County, Winter

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

**3.7 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0239	0.0159	0.1899	4.9000e-004	0.0609	3.1000e-004	0.0612	0.0161	2.9000e-004	0.0164		50.6463	50.6463	1.8000e-003	1.6000e-003	51.1691
<b>Total</b>	<b>0.0239</b>	<b>0.0159</b>	<b>0.1899</b>	<b>4.9000e-004</b>	<b>0.0609</b>	<b>3.1000e-004</b>	<b>0.0612</b>	<b>0.0161</b>	<b>2.9000e-004</b>	<b>0.0164</b>		<b>50.6463</b>	<b>50.6463</b>	<b>1.8000e-003</b>	<b>1.6000e-003</b>	<b>51.1691</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					
Archit. Coating	1.0612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>1.2528</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

Bell Avenue - Sacramento County, Winter

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

**3.7 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0239	0.0159	0.1899	4.9000e-004	0.0397	3.1000e-004	0.0400	0.0110	2.9000e-004	0.0112		50.6463	50.6463	1.8000e-003	1.6000e-003	51.1691
<b>Total</b>	<b>0.0239</b>	<b>0.0159</b>	<b>0.1899</b>	<b>4.9000e-004</b>	<b>0.0397</b>	<b>3.1000e-004</b>	<b>0.0400</b>	<b>0.0110</b>	<b>2.9000e-004</b>	<b>0.0112</b>		<b>50.6463</b>	<b>50.6463</b>	<b>1.8000e-003</b>	<b>1.6000e-003</b>	<b>51.1691</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Increase Density

Increase Diversity

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

Bell Avenue - Sacramento County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.1096	4.2181	31.3686	0.0423	4.3387	0.0387	4.3774	1.1567	0.0361	1.1928		4,380.3412	4,380.3412	0.5388	0.3178	4,488.5207
Unmitigated	4.5031	5.1579	37.6308	0.0581	6.1101	0.0506	6.1607	1.6290	0.0473	1.6763		6,020.5290	6,020.5290	0.6150	0.3856	6,150.8088

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant with Drive Thru	1,371.08	1,371.08	1371.08	947,132	672,539
Office Park	900.58	900.58	900.58	1,950,390	1,384,931
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>2,271.65</b>	<b>2,271.65</b>	<b>2,271.65</b>	<b>2,897,521</b>	<b>2,057,470</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Fast Food Restaurant with Drive	10.00	5.00	6.50	2.20	78.80	19.00	29	21	50
Office Park	10.00	5.00	6.50	33.00	48.00	19.00	82	15	3
Other Non-Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Bell Avenue - Sacramento County, Winter

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Fast Food Restaurant with Drive Thru	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351
Office Park	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351
Other Non-Asphalt Surfaces	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351
Parking Lot	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Natural Gas Mitigated	0.0384	0.3490	0.2931	2.0900e-003	0.0265	0.0265	0.0265	0.0265	0.0265	0.0265	418.7483	418.7483	418.7483	8.0300e-003	7.6800e-003	421.2367
Natural Gas Unmitigated	0.0384	0.3490	0.2931	2.0900e-003	0.0265	0.0265	0.0265	0.0265	0.0265	0.0265	418.7483	418.7483	418.7483	8.0300e-003	7.6800e-003	421.2367
	lb/day															

Bell Avenue - Sacramento County, Winter

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

**5.2 Energy by Land Use - Natural Gas**

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Fast Food Restaurant with Drive Thru	2824.06	0.0305	0.2769	0.2326	1.6600e-003		0.0210	0.0210		0.0210	0.0210			332.2418	332.2418	6.3700e-003	6.0900e-003	334.2162
Office Park	735.305	7.9300e-003	0.0721	0.0606	4.3000e-004		5.4800e-003	5.4800e-003		5.4800e-003	5.4800e-003			86.5065	86.5065	1.6600e-003	1.5900e-003	87.0205
Other Non-Asphalt Surfaces	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0384</b>	<b>0.3490</b>	<b>0.2931</b>	<b>2.0900e-003</b>		<b>0.0265</b>	<b>0.0265</b>		<b>0.0265</b>	<b>0.0265</b>			<b>418.7483</b>	<b>418.7483</b>	<b>8.0300e-003</b>	<b>7.6800e-003</b>	<b>421.2367</b>

Bell Avenue - Sacramento County, Winter

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

**5.2 Energy by Land Use - Natural Gas**

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Fast Food Restaurant with Drive Thru	2.82406	0.0305	0.2769	0.2326	1.6600e-003		0.0210	0.0210		0.0210	0.0210			332.2418	332.2418	6.3700e-003	6.0900e-003	334.2162
Office Park	0.735305	7.9300e-003	0.0721	0.0606	4.3000e-004		5.4800e-003	5.4800e-003		5.4800e-003	5.4800e-003			86.5065	86.5065	1.6600e-003	1.5900e-003	87.0205
Other Non-Asphalt Surfaces	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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0384</b>	<b>0.3490</b>	<b>0.2931</b>	<b>2.0900e-003</b>		<b>0.0265</b>	<b>0.0265</b>		<b>0.0265</b>	<b>0.0265</b>			<b>418.7483</b>	<b>418.7483</b>	<b>8.0300e-003</b>	<b>7.6800e-003</b>	<b>421.2367</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed



Bell Avenue - Sacramento County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5810	1.1000e-004	0.0117	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0251	0.0251	7.0000e-005		0.0268
Unmitigated	0.5810	1.1000e-004	0.0117	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0251	0.0251	7.0000e-005		0.0268

**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	0.0640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0800e-003	1.1000e-004	0.0117	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0251	0.0251	7.0000e-005		0.0268
<b>Total</b>	<b>0.5810</b>	<b>1.1000e-004</b>	<b>0.0117</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0251</b>	<b>0.0251</b>	<b>7.0000e-005</b>		<b>0.0268</b>

Bell Avenue - Sacramento County, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0800e-003	1.1000e-004	0.0117	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0251	0.0251	7.0000e-005		0.0268
<b>Total</b>	<b>0.5810</b>	<b>1.1000e-004</b>	<b>0.0117</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0251</b>	<b>0.0251</b>	<b>7.0000e-005</b>		<b>0.0268</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

Bell Avenue - Sacramento County, Winter

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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

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**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	16.96	1000sqft	0.39	16,965.00	0
Other Non-Asphalt Surfaces	1.00	Acre	1.00	43,560.00	0
Parking Lot	91.00	Space	0.82	36,400.00	0
Fast Food Restaurant with Drive Thru	5.82	1000sqft	0.13	5,820.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2024
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MW hr)</b>	357.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - Other non-asphalt surface used to account for total SF of the project site.

Construction Phase - Building construction, paving and painting assumed to occur simultaneously

Demolition - Approximate SF of single family home and commercial use currently on the project site.

Vehicle Trips - Trips updated to match the traffic report provided by Kimley Horn (2020)

Construction Off-road Equipment Mitigation - SMAQMD Ruel 403

Mobile Land Use Mitigation - Employee numbers per USGBC

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

Area Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	40
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	220.00
tblConstructionPhase	NumDays	10.00	220.00
tblLandUse	LandUseSquareFeet	16,960.00	16,965.00
tblVehicleTrips	ST_TR	616.12	235.58
tblVehicleTrips	ST_TR	1.64	53.10
tblVehicleTrips	SU_TR	472.58	235.58
tblVehicleTrips	SU_TR	0.76	53.10
tblVehicleTrips	WD_TR	470.95	235.58
tblVehicleTrips	WD_TR	11.07	53.10

**2.0 Emissions Summary**

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

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.4332	2.7563	3.0146	5.4300e-003	0.0825	0.1335	0.2160	0.0260	0.1262	0.1523	0.0000	468.3829	468.3829	0.0967	5.8300e-003	472.5367
2023	0.0609	0.3672	0.4418	8.0000e-004	8.5400e-003	0.0169	0.0254	2.3100e-003	0.0160	0.0183	0.0000	68.6400	68.6400	0.0138	8.6000e-004	69.2397
<b>Maximum</b>	<b>0.4332</b>	<b>2.7563</b>	<b>3.0146</b>	<b>5.4300e-003</b>	<b>0.0825</b>	<b>0.1335</b>	<b>0.2160</b>	<b>0.0260</b>	<b>0.1262</b>	<b>0.1523</b>	<b>0.0000</b>	<b>468.3829</b>	<b>468.3829</b>	<b>0.0967</b>	<b>5.8300e-003</b>	<b>472.5367</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	0.4332	2.7563	3.0146	5.4300e-003	0.0475	0.1335	0.1810	0.0147	0.1262	0.1410	0.0000	468.3824	468.3824	0.0967	5.8300e-003	472.5362
2023	0.0609	0.3672	0.4418	8.0000e-004	5.6800e-003	0.0169	0.0226	1.6100e-003	0.0160	0.0176	0.0000	68.6399	68.6399	0.0138	8.6000e-004	69.2397
<b>Maximum</b>	<b>0.4332</b>	<b>2.7563</b>	<b>3.0146</b>	<b>5.4300e-003</b>	<b>0.0475</b>	<b>0.1335</b>	<b>0.1810</b>	<b>0.0147</b>	<b>0.1262</b>	<b>0.1410</b>	<b>0.0000</b>	<b>468.3824</b>	<b>468.3824</b>	<b>0.0967</b>	<b>5.8300e-003</b>	<b>472.5362</b>

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	41.61	0.00	15.69	42.33	0.00	7.03	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	3-1-2022	5-31-2022	0.8396	0.8396
2	6-1-2022	8-31-2022	1.0097	1.0097
3	9-1-2022	11-30-2022	1.0002	1.0002
4	12-1-2022	2-28-2023	0.7594	0.7594
		Highest	1.0097	1.0097

**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	0.1060	1.0000e-005	1.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8500e-003	2.8500e-003	1.0000e-005	0.0000	3.0300e-003
Energy	7.0100e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003	0.0000	152.9550	152.9550	9.0400e-003	2.2100e-003	153.8382
Mobile	0.8671	0.8778	6.2290	0.0108	1.0740	9.1900e-003	1.0832	0.2871	8.5800e-003	0.2957	0.0000	1,010.7639	1,010.7639	0.0920	0.0604	1,031.0483
Waste						0.0000	0.0000		0.0000	0.0000	16.8097	0.0000	16.8097	0.9934	0.0000	41.6453
Water						0.0000	0.0000		0.0000	0.0000	1.6915	4.9821	6.6736	6.2800e-003	3.7300e-003	7.9434
<b>Total</b>	<b>0.9801</b>	<b>0.9415</b>	<b>6.2840</b>	<b>0.0111</b>	<b>1.0740</b>	<b>0.0140</b>	<b>1.0880</b>	<b>0.2871</b>	<b>0.0134</b>	<b>0.3006</b>	<b>18.5012</b>	<b>1,168.7039</b>	<b>1,187.2051</b>	<b>1.1007</b>	<b>0.0663</b>	<b>1,234.4782</b>

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1060	1.0000e-005	1.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8500e-003	2.8500e-003	1.0000e-005	0.0000	3.0300e-003
Energy	7.0100e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003	0.0000	152.9550	152.9550	9.0400e-003	2.2100e-003	153.8382
Mobile	0.7983	0.7165	5.1052	7.8100e-003	0.7626	7.0200e-003	0.7696	0.2039	6.5500e-003	0.2104	0.0000	734.7850	734.7850	0.0796	0.0496	751.5505
Waste						0.0000	0.0000		0.0000	0.0000	16.8097	0.0000	16.8097	0.9934	0.0000	41.6453
Water						0.0000	0.0000		0.0000	0.0000	1.3532	4.1406	5.4938	5.0400e-003	2.9900e-003	6.5105
<b>Total</b>	<b>0.9113</b>	<b>0.7802</b>	<b>5.1601</b>	<b>8.1900e-003</b>	<b>0.7626</b>	<b>0.0119</b>	<b>0.7745</b>	<b>0.2039</b>	<b>0.0114</b>	<b>0.2153</b>	<b>18.1629</b>	<b>891.8834</b>	<b>910.0463</b>	<b>1.0871</b>	<b>0.0548</b>	<b>953.5474</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>7.02</b>	<b>17.13</b>	<b>17.88</b>	<b>26.42</b>	<b>28.99</b>	<b>15.46</b>	<b>28.82</b>	<b>28.99</b>	<b>15.12</b>	<b>28.37</b>	<b>1.83</b>	<b>23.69</b>	<b>23.35</b>	<b>1.24</b>	<b>17.36</b>	<b>22.76</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	3/1/2022	3/28/2022	5	20	
2	Site Preparation	Site Preparation	3/29/2022	3/31/2022	5	3	
3	Grading	Grading	4/1/2022	4/8/2022	5	6	



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

4	Building Construction	Building Construction	4/9/2022	2/10/2023	5	220
5	Paving	Paving	4/9/2022	2/10/2023	5	220
6	Architectural Coating	Architectural Coating	4/9/2022	2/10/2023	5	220

**Acres of Grading (Site Preparation Phase): 4.5**

**Acres of Grading (Grading Phase): 6**

**Acres of Paving: 1.82**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 34,178; Non-Residential Outdoor: 11,393; Striped Parking Area: 4,798 (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	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

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

Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	29.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	41.00	17.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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

**3.2 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					3.2600e-003	0.0000	3.2600e-003	4.9000e-004	0.0000	4.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1662	0.1396	2.4000e-004		8.3800e-003	8.3800e-003		7.8300e-003	7.8300e-003	0.0000	21.0777	21.0777	5.3700e-003	0.0000	21.2120
<b>Total</b>	<b>0.0169</b>	<b>0.1662</b>	<b>0.1396</b>	<b>2.4000e-004</b>	<b>3.2600e-003</b>	<b>8.3800e-003</b>	<b>0.0116</b>	<b>4.9000e-004</b>	<b>7.8300e-003</b>	<b>8.3200e-003</b>	<b>0.0000</b>	<b>21.0777</b>	<b>21.0777</b>	<b>5.3700e-003</b>	<b>0.0000</b>	<b>21.2120</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	6.0000e-005	2.6700e-003	5.0000e-004	1.0000e-005	2.5000e-004	2.0000e-005	2.7000e-004	7.0000e-005	2.0000e-005	9.0000e-005	0.0000	0.9318	0.9318	4.0000e-005	1.5000e-004	0.9768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	3.2800e-003	1.0000e-005	9.5000e-004	1.0000e-005	9.6000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.7862	0.7862	3.0000e-005	2.0000e-005	0.7939
<b>Total</b>	<b>4.6000e-004</b>	<b>2.9300e-003</b>	<b>3.7800e-003</b>	<b>2.0000e-005</b>	<b>1.2000e-003</b>	<b>3.0000e-005</b>	<b>1.2300e-003</b>	<b>3.2000e-004</b>	<b>2.0000e-005</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>1.7180</b>	<b>1.7180</b>	<b>7.0000e-005</b>	<b>1.7000e-004</b>	<b>1.7707</b>

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

**3.2 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					1.2700e-003	0.0000	1.2700e-003	1.9000e-004	0.0000	1.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1662	0.1396	2.4000e-004		8.3800e-003	8.3800e-003		7.8300e-003	7.8300e-003	0.0000	21.0777	21.0777	5.3700e-003	0.0000	21.2119
<b>Total</b>	<b>0.0169</b>	<b>0.1662</b>	<b>0.1396</b>	<b>2.4000e-004</b>	<b>1.2700e-003</b>	<b>8.3800e-003</b>	<b>9.6500e-003</b>	<b>1.9000e-004</b>	<b>7.8300e-003</b>	<b>8.0200e-003</b>	<b>0.0000</b>	<b>21.0777</b>	<b>21.0777</b>	<b>5.3700e-003</b>	<b>0.0000</b>	<b>21.2119</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	6.0000e-005	2.6700e-003	5.0000e-004	1.0000e-005	1.7000e-004	2.0000e-005	1.9000e-004	5.0000e-005	2.0000e-005	7.0000e-005	0.0000	0.9318	0.9318	4.0000e-005	1.5000e-004	0.9768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	3.2800e-003	1.0000e-005	6.2000e-004	1.0000e-005	6.3000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.7862	0.7862	3.0000e-005	2.0000e-005	0.7939
<b>Total</b>	<b>4.6000e-004</b>	<b>2.9300e-003</b>	<b>3.7800e-003</b>	<b>2.0000e-005</b>	<b>7.9000e-004</b>	<b>3.0000e-005</b>	<b>8.2000e-004</b>	<b>2.2000e-004</b>	<b>2.0000e-005</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>1.7180</b>	<b>1.7180</b>	<b>7.0000e-005</b>	<b>1.7000e-004</b>	<b>1.7707</b>

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

**3.3 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					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0700e-003	0.0235	0.0151	4.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	3.2321	3.2321	1.0500e-003	0.0000	3.2582
<b>Total</b>	<b>2.0700e-003</b>	<b>0.0235</b>	<b>0.0151</b>	<b>4.0000e-005</b>	<b>2.3900e-003</b>	<b>8.9000e-004</b>	<b>3.2800e-003</b>	<b>2.6000e-004</b>	<b>8.2000e-004</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>3.2321</b>	<b>3.2321</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>3.2582</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	4.0000e-005	2.0000e-005	3.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0726	0.0726	0.0000	0.0000	0.0733
<b>Total</b>	<b>4.0000e-005</b>	<b>2.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0726</b>	<b>0.0726</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0733</b>

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

**3.3 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					9.3000e-004	0.0000	9.3000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0700e-003	0.0235	0.0151	4.0000e-005		8.9000e-004	8.9000e-004		8.2000e-004	8.2000e-004	0.0000	3.2321	3.2321	1.0500e-003	0.0000	3.2582
<b>Total</b>	<b>2.0700e-003</b>	<b>0.0235</b>	<b>0.0151</b>	<b>4.0000e-005</b>	<b>9.3000e-004</b>	<b>8.9000e-004</b>	<b>1.8200e-003</b>	<b>1.0000e-004</b>	<b>8.2000e-004</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>3.2321</b>	<b>3.2321</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>3.2582</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	4.0000e-005	2.0000e-005	3.0000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0726	0.0726	0.0000	0.0000	0.0733
<b>Total</b>	<b>4.0000e-005</b>	<b>2.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0726</b>	<b>0.0726</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0733</b>

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

**3.4 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					0.0213	0.0000	0.0213	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0510	0.0277	6.0000e-005		2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
<b>Total</b>	<b>4.6200e-003</b>	<b>0.0510</b>	<b>0.0277</b>	<b>6.0000e-005</b>	<b>0.0213</b>	<b>2.2300e-003</b>	<b>0.0235</b>	<b>0.0103</b>	<b>2.0500e-003</b>	<b>0.0123</b>	<b>0.0000</b>	<b>5.4308</b>	<b>5.4308</b>	<b>1.7600e-003</b>	<b>0.0000</b>	<b>5.4747</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	9.0000e-005	6.0000e-005	7.6000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1814	0.1814	1.0000e-005	1.0000e-005	0.1832
<b>Total</b>	<b>9.0000e-005</b>	<b>6.0000e-005</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.1814</b>	<b>0.1814</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.1832</b>

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

**3.4 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					8.2900e-003	0.0000	8.2900e-003	4.0100e-003	0.0000	4.0100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0510	0.0277	6.0000e-005		2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
<b>Total</b>	<b>4.6200e-003</b>	<b>0.0510</b>	<b>0.0277</b>	<b>6.0000e-005</b>	<b>8.2900e-003</b>	<b>2.2300e-003</b>	<b>0.0105</b>	<b>4.0100e-003</b>	<b>2.0500e-003</b>	<b>6.0600e-003</b>	<b>0.0000</b>	<b>5.4308</b>	<b>5.4308</b>	<b>1.7600e-003</b>	<b>0.0000</b>	<b>5.4747</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	9.0000e-005	6.0000e-005	7.6000e-004	0.0000	1.4000e-004	0.0000	1.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1814	0.1814	1.0000e-005	1.0000e-005	0.1832
<b>Total</b>	<b>9.0000e-005</b>	<b>6.0000e-005</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.5000e-004</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.1814</b>	<b>0.1814</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.1832</b>



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

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1763	1.3874	1.3636	2.3800e-003		0.0667	0.0667		0.0639	0.0639	0.0000	197.2961	197.2961	0.0381	0.0000	198.2477
<b>Total</b>	<b>0.1763</b>	<b>1.3874</b>	<b>1.3636</b>	<b>2.3800e-003</b>		<b>0.0667</b>	<b>0.0667</b>		<b>0.0639</b>	<b>0.0639</b>	<b>0.0000</b>	<b>197.2961</b>	<b>197.2961</b>	<b>0.0381</b>	<b>0.0000</b>	<b>198.2477</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	3.4400e-003	0.0927	0.0270	3.2000e-004	9.4600e-003	8.6000e-004	0.0103	2.7300e-003	8.2000e-004	3.5500e-003	0.0000	31.0027	31.0027	8.1000e-004	4.5500e-003	32.3774
Worker	0.0120	7.8100e-003	0.0983	2.6000e-004	0.0286	1.6000e-004	0.0288	7.6100e-003	1.5000e-004	7.7600e-003	0.0000	23.5559	23.5559	8.0000e-004	7.1000e-004	23.7872
<b>Total</b>	<b>0.0154</b>	<b>0.1005</b>	<b>0.1252</b>	<b>5.8000e-004</b>	<b>0.0381</b>	<b>1.0200e-003</b>	<b>0.0391</b>	<b>0.0103</b>	<b>9.7000e-004</b>	<b>0.0113</b>	<b>0.0000</b>	<b>54.5586</b>	<b>54.5586</b>	<b>1.6100e-003</b>	<b>5.2600e-003</b>	<b>56.1646</b>

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

**3.5 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1763	1.3874	1.3636	2.3800e-003		0.0667	0.0667		0.0639	0.0639	0.0000	197.2959	197.2959	0.0381	0.0000	198.2475
<b>Total</b>	<b>0.1763</b>	<b>1.3874</b>	<b>1.3636</b>	<b>2.3800e-003</b>		<b>0.0667</b>	<b>0.0667</b>		<b>0.0639</b>	<b>0.0639</b>	<b>0.0000</b>	<b>197.2959</b>	<b>197.2959</b>	<b>0.0381</b>	<b>0.0000</b>	<b>198.2475</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	3.4400e-003	0.0927	0.0270	3.2000e-004	6.7900e-003	8.6000e-004	7.6500e-003	2.0800e-003	8.2000e-004	2.9000e-003	0.0000	31.0027	31.0027	8.1000e-004	4.5500e-003	32.3774
Worker	0.0120	7.8100e-003	0.0983	2.6000e-004	0.0187	1.6000e-004	0.0189	5.1800e-003	1.5000e-004	5.3300e-003	0.0000	23.5559	23.5559	8.0000e-004	7.1000e-004	23.7872
<b>Total</b>	<b>0.0154</b>	<b>0.1005</b>	<b>0.1252</b>	<b>5.8000e-004</b>	<b>0.0255</b>	<b>1.0200e-003</b>	<b>0.0265</b>	<b>7.2600e-003</b>	<b>9.7000e-004</b>	<b>8.2300e-003</b>	<b>0.0000</b>	<b>54.5586</b>	<b>54.5586</b>	<b>1.6100e-003</b>	<b>5.2600e-003</b>	<b>56.1646</b>

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

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0257	0.2044	0.2132	3.8000e-004		9.2000e-003	9.2000e-003		8.8200e-003	8.8200e-003	0.0000	31.1553	31.1553	5.8900e-003	0.0000	31.3026
<b>Total</b>	<b>0.0257</b>	<b>0.2044</b>	<b>0.2132</b>	<b>3.8000e-004</b>		<b>9.2000e-003</b>	<b>9.2000e-003</b>		<b>8.8200e-003</b>	<b>8.8200e-003</b>	<b>0.0000</b>	<b>31.1553</b>	<b>31.1553</b>	<b>5.8900e-003</b>	<b>0.0000</b>	<b>31.3026</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	3.3000e-004	0.0124	3.7500e-003	5.0000e-005	1.4900e-003	7.0000e-005	1.5600e-003	4.3000e-004	6.0000e-005	4.9000e-004	0.0000	4.7295	4.7295	1.2000e-004	6.9000e-004	4.9392
Worker	1.7600e-003	1.0900e-003	0.0143	4.0000e-005	4.5200e-003	2.0000e-005	4.5400e-003	1.2000e-003	2.0000e-005	1.2200e-003	0.0000	3.6235	3.6235	1.1000e-004	1.0000e-004	3.6572
<b>Total</b>	<b>2.0900e-003</b>	<b>0.0135</b>	<b>0.0181</b>	<b>9.0000e-005</b>	<b>6.0100e-003</b>	<b>9.0000e-005</b>	<b>6.1000e-003</b>	<b>1.6300e-003</b>	<b>8.0000e-005</b>	<b>1.7100e-003</b>	<b>0.0000</b>	<b>8.3529</b>	<b>8.3529</b>	<b>2.3000e-004</b>	<b>7.9000e-004</b>	<b>8.5964</b>

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

**3.5 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0257	0.2044	0.2132	3.8000e-004		9.2000e-003	9.2000e-003		8.8200e-003	8.8200e-003	0.0000	31.1553	31.1553	5.8900e-003	0.0000	31.3026
<b>Total</b>	<b>0.0257</b>	<b>0.2044</b>	<b>0.2132</b>	<b>3.8000e-004</b>		<b>9.2000e-003</b>	<b>9.2000e-003</b>		<b>8.8200e-003</b>	<b>8.8200e-003</b>	<b>0.0000</b>	<b>31.1553</b>	<b>31.1553</b>	<b>5.8900e-003</b>	<b>0.0000</b>	<b>31.3026</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	3.3000e-004	0.0124	3.7500e-003	5.0000e-005	1.0700e-003	7.0000e-005	1.1400e-003	3.3000e-004	6.0000e-005	3.9000e-004	0.0000	4.7295	4.7295	1.2000e-004	6.9000e-004	4.9392
Worker	1.7600e-003	1.0900e-003	0.0143	4.0000e-005	2.9600e-003	2.0000e-005	2.9800e-003	8.2000e-004	2.0000e-005	8.4000e-004	0.0000	3.6235	3.6235	1.1000e-004	1.0000e-004	3.6572
<b>Total</b>	<b>2.0900e-003</b>	<b>0.0135</b>	<b>0.0181</b>	<b>9.0000e-005</b>	<b>4.0300e-003</b>	<b>9.0000e-005</b>	<b>4.1200e-003</b>	<b>1.1500e-003</b>	<b>8.0000e-005</b>	<b>1.2300e-003</b>	<b>0.0000</b>	<b>8.3529</b>	<b>8.3529</b>	<b>2.3000e-004</b>	<b>7.9000e-004</b>	<b>8.5964</b>

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

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0894	0.8866	1.1112	1.7000e-003		0.0464	0.0464		0.0428	0.0428	0.0000	147.3454	147.3454	0.0467	0.0000	148.5128
Paving	9.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0903</b>	<b>0.8866</b>	<b>1.1112</b>	<b>1.7000e-003</b>		<b>0.0464</b>	<b>0.0464</b>		<b>0.0428</b>	<b>0.0428</b>	<b>0.0000</b>	<b>147.3454</b>	<b>147.3454</b>	<b>0.0467</b>	<b>0.0000</b>	<b>148.5128</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	4.3900e-003	2.8600e-003	0.0360	9.0000e-005	0.0105	6.0000e-005	0.0105	2.7800e-003	5.0000e-005	2.8400e-003	0.0000	8.6180	8.6180	2.9000e-004	2.6000e-004	8.7027
<b>Total</b>	<b>4.3900e-003</b>	<b>2.8600e-003</b>	<b>0.0360</b>	<b>9.0000e-005</b>	<b>0.0105</b>	<b>6.0000e-005</b>	<b>0.0105</b>	<b>2.7800e-003</b>	<b>5.0000e-005</b>	<b>2.8400e-003</b>	<b>0.0000</b>	<b>8.6180</b>	<b>8.6180</b>	<b>2.9000e-004</b>	<b>2.6000e-004</b>	<b>8.7027</b>

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

**3.6 Paving - 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					
Off-Road	0.0894	0.8866	1.1112	1.7000e-003		0.0464	0.0464		0.0428	0.0428	0.0000	147.3452	147.3452	0.0467	0.0000	148.5127
Paving	9.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0903</b>	<b>0.8866</b>	<b>1.1112</b>	<b>1.7000e-003</b>		<b>0.0464</b>	<b>0.0464</b>		<b>0.0428</b>	<b>0.0428</b>	<b>0.0000</b>	<b>147.3452</b>	<b>147.3452</b>	<b>0.0467</b>	<b>0.0000</b>	<b>148.5127</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	4.3900e-003	2.8600e-003	0.0360	9.0000e-005	6.8500e-003	6.0000e-005	6.9100e-003	1.9000e-003	5.0000e-005	1.9500e-003	0.0000	8.6180	8.6180	2.9000e-004	2.6000e-004	8.7027
<b>Total</b>	<b>4.3900e-003</b>	<b>2.8600e-003</b>	<b>0.0360</b>	<b>9.0000e-005</b>	<b>6.8500e-003</b>	<b>6.0000e-005</b>	<b>6.9100e-003</b>	<b>1.9000e-003</b>	<b>5.0000e-005</b>	<b>1.9500e-003</b>	<b>0.0000</b>	<b>8.6180</b>	<b>8.6180</b>	<b>2.9000e-004</b>	<b>2.6000e-004</b>	<b>8.7027</b>

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

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0132	0.1292	0.1753	2.7000e-004		6.5100e-003	6.5100e-003		6.0000e-003	6.0000e-003	0.0000	23.2692	23.2692	7.3700e-003	0.0000	23.4536
Paving	1.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0134</b>	<b>0.1292</b>	<b>0.1753</b>	<b>2.7000e-004</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>		<b>6.0000e-003</b>	<b>6.0000e-003</b>	<b>0.0000</b>	<b>23.2692</b>	<b>23.2692</b>	<b>7.3700e-003</b>	<b>0.0000</b>	<b>23.4536</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	6.5000e-004	4.0000e-004	5.2500e-003	1.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3257	1.3257	4.0000e-005	4.0000e-005	1.3380
<b>Total</b>	<b>6.5000e-004</b>	<b>4.0000e-004</b>	<b>5.2500e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>1.0000e-005</b>	<b>1.6600e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.3257</b>	<b>1.3257</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.3380</b>

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

**3.6 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0132	0.1292	0.1753	2.7000e-004		6.5100e-003	6.5100e-003		6.0000e-003	6.0000e-003	0.0000	23.2692	23.2692	7.3700e-003	0.0000	23.4535
Paving	1.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0134</b>	<b>0.1292</b>	<b>0.1753</b>	<b>2.7000e-004</b>		<b>6.5100e-003</b>	<b>6.5100e-003</b>		<b>6.0000e-003</b>	<b>6.0000e-003</b>	<b>0.0000</b>	<b>23.2692</b>	<b>23.2692</b>	<b>7.3700e-003</b>	<b>0.0000</b>	<b>23.4535</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	6.5000e-004	4.0000e-004	5.2500e-003	1.0000e-005	1.0800e-003	1.0000e-005	1.0900e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.3257	1.3257	4.0000e-005	4.0000e-005	1.3380
<b>Total</b>	<b>6.5000e-004</b>	<b>4.0000e-004</b>	<b>5.2500e-003</b>	<b>1.0000e-005</b>	<b>1.0800e-003</b>	<b>1.0000e-005</b>	<b>1.0900e-003</b>	<b>3.0000e-004</b>	<b>1.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>1.3257</b>	<b>1.3257</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.3380</b>



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

**3.7 Architectural Coating - 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					
Archit. Coating	0.1008					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.1338	0.1723	2.8000e-004		7.7600e-003	7.7600e-003		7.7600e-003	7.7600e-003	0.0000	24.2559	24.2559	1.5800e-003	0.0000	24.2954
<b>Total</b>	<b>0.1202</b>	<b>0.1338</b>	<b>0.1723</b>	<b>2.8000e-004</b>		<b>7.7600e-003</b>	<b>7.7600e-003</b>		<b>7.7600e-003</b>	<b>7.7600e-003</b>	<b>0.0000</b>	<b>24.2559</b>	<b>24.2559</b>	<b>1.5800e-003</b>	<b>0.0000</b>	<b>24.2954</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	2.3400e-003	1.5200e-003	0.0192	5.0000e-005	5.5800e-003	3.0000e-005	5.6100e-003	1.4800e-003	3.0000e-005	1.5100e-003	0.0000	4.5963	4.5963	1.6000e-004	1.4000e-004	4.6414
<b>Total</b>	<b>2.3400e-003</b>	<b>1.5200e-003</b>	<b>0.0192</b>	<b>5.0000e-005</b>	<b>5.5800e-003</b>	<b>3.0000e-005</b>	<b>5.6100e-003</b>	<b>1.4800e-003</b>	<b>3.0000e-005</b>	<b>1.5100e-003</b>	<b>0.0000</b>	<b>4.5963</b>	<b>4.5963</b>	<b>1.6000e-004</b>	<b>1.4000e-004</b>	<b>4.6414</b>

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

**3.7 Architectural Coating - 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					
Archit. Coating	0.1008					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.1338	0.1723	2.8000e-004		7.7600e-003	7.7600e-003		7.7600e-003	7.7600e-003	0.0000	24.2559	24.2559	1.5800e-003	0.0000	24.2954
<b>Total</b>	<b>0.1202</b>	<b>0.1338</b>	<b>0.1723</b>	<b>2.8000e-004</b>		<b>7.7600e-003</b>	<b>7.7600e-003</b>		<b>7.7600e-003</b>	<b>7.7600e-003</b>	<b>0.0000</b>	<b>24.2559</b>	<b>24.2559</b>	<b>1.5800e-003</b>	<b>0.0000</b>	<b>24.2954</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	2.3400e-003	1.5200e-003	0.0192	5.0000e-005	3.6500e-003	3.0000e-005	3.6800e-003	1.0100e-003	3.0000e-005	1.0400e-003	0.0000	4.5963	4.5963	1.6000e-004	1.4000e-004	4.6414
<b>Total</b>	<b>2.3400e-003</b>	<b>1.5200e-003</b>	<b>0.0192</b>	<b>5.0000e-005</b>	<b>3.6500e-003</b>	<b>3.0000e-005</b>	<b>3.6800e-003</b>	<b>1.0100e-003</b>	<b>3.0000e-005</b>	<b>1.0400e-003</b>	<b>0.0000</b>	<b>4.5963</b>	<b>4.5963</b>	<b>1.6000e-004</b>	<b>1.4000e-004</b>	<b>4.6414</b>

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

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0159					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8700e-003	0.0195	0.0272	4.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	3.8299	3.8299	2.3000e-004	0.0000	3.8356
<b>Total</b>	<b>0.0188</b>	<b>0.0195</b>	<b>0.0272</b>	<b>4.0000e-005</b>		<b>1.0600e-003</b>	<b>1.0600e-003</b>		<b>1.0600e-003</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>3.8299</b>	<b>3.8299</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>3.8356</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	3.4000e-004	2.1000e-004	2.8000e-003	1.0000e-005	8.8000e-004	0.0000	8.9000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.7070	0.7070	2.0000e-005	2.0000e-005	0.7136
<b>Total</b>	<b>3.4000e-004</b>	<b>2.1000e-004</b>	<b>2.8000e-003</b>	<b>1.0000e-005</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>8.9000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.7070</b>	<b>0.7070</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7136</b>

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

**3.7 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0159					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8700e-003	0.0195	0.0272	4.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	3.8299	3.8299	2.3000e-004	0.0000	3.8356
<b>Total</b>	<b>0.0188</b>	<b>0.0195</b>	<b>0.0272</b>	<b>4.0000e-005</b>		<b>1.0600e-003</b>	<b>1.0600e-003</b>		<b>1.0600e-003</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>3.8299</b>	<b>3.8299</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>3.8356</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	3.4000e-004	2.1000e-004	2.8000e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.7070	0.7070	2.0000e-005	2.0000e-005	0.7136
<b>Total</b>	<b>3.4000e-004</b>	<b>2.1000e-004</b>	<b>2.8000e-003</b>	<b>1.0000e-005</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>5.8000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.7070</b>	<b>0.7070</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7136</b>

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Improve Destination Accessibility
- Increase Transit Accessibility
- Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive 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	0.7983	0.7165	5.1052	7.8100e-003	0.7626	7.0200e-003	0.7696	0.2039	6.5500e-003	0.2104	0.0000	734.7850	734.7850	0.0796	0.0496	751.5505
Unmitigated	0.8671	0.8778	6.2290	0.0108	1.0740	9.1900e-003	1.0832	0.2871	8.5800e-003	0.2957	0.0000	1,010.7639	1,010.7639	0.0920	0.0604	1,031.0483

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Fast Food Restaurant with Drive Thru	1,371.08	1,371.08	1371.08	947,132	672,539
Office Park	900.58	900.58	900.58	1,950,390	1,384,931
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>2,271.65</b>	<b>2,271.65</b>	<b>2,271.65</b>	<b>2,897,521</b>	<b>2,057,470</b>

**4.3 Trip Type Information**

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

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
Fast Food Restaurant with Drive Thru	10.00	5.00	6.50	2.20	78.80	19.00	29	21	50
Office Park	10.00	5.00	6.50	33.00	48.00	19.00	82	15	3
Other Non-Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Fast Food Restaurant with Drive Thru	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351
Office Park	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351
Other Non-Asphalt Surfaces	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351
Parking Lot	0.542485	0.056811	0.183752	0.130945	0.025591	0.005989	0.013266	0.009393	0.000917	0.000565	0.025954	0.000983	0.003351

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	83.6265	83.6265	7.7100e-003	9.3000e-004	84.0977
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	83.6265	83.6265	7.7100e-003	9.3000e-004	84.0977
Natural Gas Mitigated	7.0100e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003	0.0000	69.3285	69.3285	1.3300e-003	1.2700e-003	69.7405
Natural Gas Unmitigated	7.0100e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003	0.0000	69.3285	69.3285	1.3300e-003	1.2700e-003	69.7405

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

**5.2 Energy by Land Use - Natural Gas**

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Fast Food Restaurant with Drive Thru	1.03078e+006	5.5600e-003	0.0505	0.0424	3.0000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	55.0064	55.0064	1.0500e-003	1.0100e-003	55.3332
Office Park	268386	1.4500e-003	0.0132	0.0111	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.3221	14.3221	2.7000e-004	2.6000e-004	14.4072
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.0100e-003</b>	<b>0.0637</b>	<b>0.0535</b>	<b>3.8000e-004</b>		<b>4.8400e-003</b>	<b>4.8400e-003</b>		<b>4.8400e-003</b>	<b>4.8400e-003</b>	<b>0.0000</b>	<b>69.3285</b>	<b>69.3285</b>	<b>1.3200e-003</b>	<b>1.2700e-003</b>	<b>69.7405</b>



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

**5.2 Energy by Land Use - Natural Gas**

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Fast Food Restaurant with Drive Thru	1.03078e+006	5.5600e-003	0.0505	0.0424	3.0000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	55.0064	55.0064	1.0500e-003	1.0100e-003	55.3332
Office Park	268386	1.4500e-003	0.0132	0.0111	8.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	14.3221	14.3221	2.7000e-004	2.6000e-004	14.4072
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.0100e-003</b>	<b>0.0637</b>	<b>0.0535</b>	<b>3.8000e-004</b>		<b>4.8400e-003</b>	<b>4.8400e-003</b>		<b>4.8400e-003</b>	<b>4.8400e-003</b>	<b>0.0000</b>	<b>69.3285</b>	<b>69.3285</b>	<b>1.3200e-003</b>	<b>1.2700e-003</b>	<b>69.7405</b>

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Fast Food Restaurant with Drive Thru	237281	38.5290	3.5500e-003	4.3000e-004	38.7461
Office Park	264993	43.0288	3.9700e-003	4.8000e-004	43.2713
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	12740	2.0687	1.9000e-004	2.0000e-005	2.0803
<b>Total</b>		<b>83.6265</b>	<b>7.7100e-003</b>	<b>9.3000e-004</b>	<b>84.0977</b>

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

**5.3 Energy by Land Use - Electricity**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Fast Food Restaurant with Drive Thru	237281	38.5290	3.5500e-003	4.3000e-004	38.7461
Office Park	264993	43.0288	3.9700e-003	4.8000e-004	43.2713
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	12740	2.0687	1.9000e-004	2.0000e-005	2.0803
<b>Total</b>		<b>83.6265</b>	<b>7.7100e-003</b>	<b>9.3000e-004</b>	<b>84.0977</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1060	1.0000e-005	1.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8500e-003	2.8500e-003	1.0000e-005	0.0000	3.0300e-003
Unmitigated	0.1060	1.0000e-005	1.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8500e-003	2.8500e-003	1.0000e-005	0.0000	3.0300e-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	0.0117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0942					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8500e-003	2.8500e-003	1.0000e-005	0.0000	3.0300e-003
<b>Total</b>	<b>0.1060</b>	<b>1.0000e-005</b>	<b>1.4600e-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>2.8500e-003</b>	<b>2.8500e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.0300e-003</b>

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0117					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0942					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8500e-003	2.8500e-003	1.0000e-005	0.0000	3.0300e-003
<b>Total</b>	<b>0.1060</b>	<b>1.0000e-005</b>	<b>1.4600e-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>2.8500e-003</b>	<b>2.8500e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.0300e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.4938	5.0400e-003	2.9900e-003	6.5105
Unmitigated	6.6736	6.2800e-003	3.7300e-003	7.9434

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Fast Food Restaurant with Drive Thru	1.76657 / 0.11276	2.1184	2.2900e-003	1.3800e-003	2.5856
Office Park	3.01436 / 1.84751	4.5553	3.9900e-003	2.3600e-003	5.3578
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.6736</b>	<b>6.2800e-003</b>	<b>3.7400e-003</b>	<b>7.9434</b>

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**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Fast Food Restaurant with Drive Thru	1.41325 / 0.105881	1.7036	1.8300e-003	1.1000e-003	2.0774
Office Park	2.41149 / 1.73482	3.7902	3.2100e-003	1.8900e-003	4.4330
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>5.4938</b>	<b>5.0400e-003</b>	<b>2.9900e-003</b>	<b>6.5105</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	16.8097	0.9934	0.0000	41.6453
Unmitigated	16.8097	0.9934	0.0000	41.6453

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant with Drive Thru	67.04	13.6085	0.8042	0.0000	33.7145
Office Park	15.77	3.2012	0.1892	0.0000	7.9308
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>16.8097</b>	<b>0.9934</b>	<b>0.0000</b>	<b>41.6453</b>



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**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Fast Food Restaurant with Drive Thru	67.04	13.6085	0.8042	0.0000	33.7145
Office Park	15.77	3.2012	0.1892	0.0000	7.9308
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>16.8097</b>	<b>0.9934</b>	<b>0.0000</b>	<b>41.6453</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

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Equipment Type	Number
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**11.0 Vegetation**

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