

**APPENDIX A**  
**CALEEMOD MODELING RESULTS**

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Robla Estates Project - Sacramento Metropolitan AQMD Air District, Annual

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

**Robla Estates Project  
Sacramento Metropolitan AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	5.03	Acre	5.03	219,106.80	0
City Park	2.06	Acre	2.06	89,733.60	0
Single Family Housing	177.00	Dwelling Unit	13.34	318,600.00	473

**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>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use - Acreages adjusted to match site plan.

Construction Phase - Phase timing based on applicant-provided questionnaire.

Grading -

Vehicle Trips - Trip generation rates updated based on project-specific traffic study (DKS 2022).

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Outdoor water conservation strategy applied to reflect compliance with MWELO.

## Robla Estates Project - Sacramento Metropolitan AQMD Air District, Annual

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	720.00
tblConstructionPhase	NumDays	370.00	720.00
tblConstructionPhase	NumDays	35.00	30.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	10.00	4.00
tblLandUse	LotAcreage	57.47	13.34
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	9.54	8.95
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	8.55	8.95
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.44	8.95

**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	0.3432	1.4386	1.4066	3.1700e-003	0.2547	0.0622	0.3170	0.0959	0.0581	0.1540	0.0000	283.7520	283.7520	0.0534	8.6400e-003	287.6636
2023	1.0587	2.5365	3.1840	7.5400e-003	0.2748	0.1037	0.3785	0.0743	0.0982	0.1725	0.0000	681.0126	681.0126	0.0835	0.0298	691.9924
2024	1.0459	2.4069	3.1450	7.5000e-003	0.2769	0.0918	0.3687	0.0749	0.0868	0.1617	0.0000	678.6093	678.6093	0.0829	0.0293	689.4120
2025	0.5227	1.0909	1.4983	3.5900e-003	0.1346	0.0384	0.1730	0.0364	0.0363	0.0727	0.0000	325.1143	325.1143	0.0395	0.0138	330.1989
<b>Maximum</b>	<b>1.0587</b>	<b>2.5365</b>	<b>3.1840</b>	<b>7.5400e-003</b>	<b>0.2769</b>	<b>0.1037</b>	<b>0.3785</b>	<b>0.0959</b>	<b>0.0982</b>	<b>0.1725</b>	<b>0.0000</b>	<b>681.0126</b>	<b>681.0126</b>	<b>0.0835</b>	<b>0.0298</b>	<b>691.9924</b>

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**2.1 Overall Construction**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.3432	1.4386	1.4066	3.1700e-003	0.2547	0.0622	0.3170	0.0959	0.0581	0.1540	0.0000	283.7518	283.7518	0.0534	8.6400e-003	287.6634
2023	1.0587	2.5365	3.1840	7.5400e-003	0.2748	0.1037	0.3785	0.0743	0.0982	0.1725	0.0000	681.0122	681.0122	0.0835	0.0298	691.9920
2024	1.0459	2.4069	3.1450	7.5000e-003	0.2769	0.0918	0.3687	0.0749	0.0868	0.1617	0.0000	678.6089	678.6089	0.0829	0.0293	689.4116
2025	0.5227	1.0909	1.4983	3.5900e-003	0.1346	0.0384	0.1730	0.0364	0.0363	0.0727	0.0000	325.1141	325.1141	0.0395	0.0138	330.1987
<b>Maximum</b>	<b>1.0587</b>	<b>2.5365</b>	<b>3.1840</b>	<b>7.5400e-003</b>	<b>0.2769</b>	<b>0.1037</b>	<b>0.3785</b>	<b>0.0959</b>	<b>0.0982</b>	<b>0.1725</b>	<b>0.0000</b>	<b>681.0122</b>	<b>681.0122</b>	<b>0.0835</b>	<b>0.0298</b>	<b>691.9920</b>

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-1-2022	10-31-2022	1.1154	1.1154
2	11-1-2022	1-31-2023	0.9628	0.9628
3	2-1-2023	4-30-2023	0.8812	0.8812
4	5-1-2023	7-31-2023	0.9058	0.9058
5	8-1-2023	10-31-2023	0.9084	0.9084
6	11-1-2023	1-31-2024	0.8991	0.8991
7	2-1-2024	4-30-2024	0.8493	0.8493
8	5-1-2024	7-31-2024	0.8631	0.8631

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9	8-1-2024	10-31-2024	0.8656	0.8656
10	11-1-2024	1-31-2025	0.8561	0.8561
11	2-1-2025	4-30-2025	0.7981	0.7981
12	5-1-2025	7-31-2025	0.5347	0.5347
		Highest	1.1154	1.1154

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.5165	0.0210	1.8237	1.0000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	2.9818	2.9818	2.8600e-003	0.0000	3.0532
Energy	0.0226	0.1930	0.0821	1.2300e-003		0.0156	0.0156		0.0156	0.0156	0.0000	450.7309	450.7309	0.0252	6.6400e-003	453.3394
Mobile	0.7377	0.9416	6.7521	0.0141	1.5065	0.0112	1.5176	0.4027	0.0104	0.4132	0.0000	1,340.1428	1,340.1428	0.0904	0.0655	1,361.9190
Waste						0.0000	0.0000		0.0000	0.0000	34.6018	0.0000	34.6018	2.0449	0.0000	85.7246
Water						0.0000	0.0000		0.0000	0.0000	4.0801	14.8571	18.9372	0.0154	9.0400e-003	22.0161
<b>Total</b>	<b>2.2767</b>	<b>1.1555</b>	<b>8.6579</b>	<b>0.0155</b>	<b>1.5065</b>	<b>0.0369</b>	<b>1.5434</b>	<b>0.4027</b>	<b>0.0362</b>	<b>0.4389</b>	<b>38.6820</b>	<b>1,808.7127</b>	<b>1,847.3947</b>	<b>2.1788</b>	<b>0.0812</b>	<b>1,926.0523</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.5165	0.0210	1.8237	1.0000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	2.9818	2.9818	2.8600e-003	0.0000	3.0532
Energy	0.0226	0.1930	0.0821	1.2300e-003		0.0156	0.0156		0.0156	0.0156	0.0000	450.7309	450.7309	0.0252	6.6400e-003	453.3394
Mobile	0.7312	0.9270	6.6487	0.0139	1.4763	0.0110	1.4873	0.3947	0.0103	0.4049	0.0000	1,314.1418	1,314.1418	0.0893	0.0645	1,335.5905
Waste						0.0000	0.0000		0.0000	0.0000	34.6018	0.0000	34.6018	2.0449	0.0000	85.7246
Water						0.0000	0.0000		0.0000	0.0000	4.0801	13.7517	17.8319	0.0153	9.0300e-003	20.9046
<b>Total</b>	<b>2.2703</b>	<b>1.1410</b>	<b>8.5545</b>	<b>0.0152</b>	<b>1.4763</b>	<b>0.0367</b>	<b>1.5130</b>	<b>0.3947</b>	<b>0.0360</b>	<b>0.4306</b>	<b>38.6820</b>	<b>1,781.6063</b>	<b>1,820.2883</b>	<b>2.1776</b>	<b>0.0802</b>	<b>1,898.6123</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.28</b>	<b>1.26</b>	<b>1.19</b>	<b>1.81</b>	<b>2.00</b>	<b>0.54</b>	<b>1.97</b>	<b>2.00</b>	<b>0.50</b>	<b>1.88</b>	<b>0.00</b>	<b>1.50</b>	<b>1.47</b>	<b>0.06</b>	<b>1.24</b>	<b>1.42</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2022	8/4/2022	5	4	
2	Grading	Grading	8/5/2022	9/15/2022	5	30	
3	Paving	Paving	9/16/2022	9/21/2022	5	4	

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4	Building Construction	Building Construction	9/22/2022	6/25/2025	5	720
5	Architectural Coating	Architectural Coating	10/6/2022	7/9/2025	5	720

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

**Acres of Grading (Grading Phase): 90**

**Acres of Paving: 5.03**

**Residential Indoor: 645,165; Residential Outdoor: 215,055; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 13,146 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

**Trips and VMT**



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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	193.00	70.00	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	39.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0393	0.0000	0.0393	0.0202	0.0000	0.0202	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3400e-003	0.0662	0.0394	8.0000e-005		3.2300e-003	3.2300e-003		2.9700e-003	2.9700e-003	0.0000	6.6879	6.6879	2.1600e-003	0.0000	6.7420
<b>Total</b>	<b>6.3400e-003</b>	<b>0.0662</b>	<b>0.0394</b>	<b>8.0000e-005</b>	<b>0.0393</b>	<b>3.2300e-003</b>	<b>0.0425</b>	<b>0.0202</b>	<b>2.9700e-003</b>	<b>0.0232</b>	<b>0.0000</b>	<b>6.6879</b>	<b>6.6879</b>	<b>2.1600e-003</b>	<b>0.0000</b>	<b>6.7420</b>

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**3.2 Site Preparation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	7.0000e-005	9.1000e-004	0.0000	2.6000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2177	0.2177	1.0000e-005	1.0000e-005	0.2199
<b>Total</b>	<b>1.1000e-004</b>	<b>7.0000e-005</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2177</b>	<b>0.2177</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2199</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0393	0.0000	0.0393	0.0202	0.0000	0.0202	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3400e-003	0.0662	0.0394	8.0000e-005		3.2300e-003	3.2300e-003		2.9700e-003	2.9700e-003	0.0000	6.6879	6.6879	2.1600e-003	0.0000	6.7419
<b>Total</b>	<b>6.3400e-003</b>	<b>0.0662</b>	<b>0.0394</b>	<b>8.0000e-005</b>	<b>0.0393</b>	<b>3.2300e-003</b>	<b>0.0425</b>	<b>0.0202</b>	<b>2.9700e-003</b>	<b>0.0232</b>	<b>0.0000</b>	<b>6.6879</b>	<b>6.6879</b>	<b>2.1600e-003</b>	<b>0.0000</b>	<b>6.7419</b>

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**3.2 Site Preparation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	7.0000e-005	9.1000e-004	0.0000	2.6000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2177	0.2177	1.0000e-005	1.0000e-005	0.2199
<b>Total</b>	<b>1.1000e-004</b>	<b>7.0000e-005</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.2177</b>	<b>0.2177</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2199</b>

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0544	0.5827	0.4356	9.3000e-004		0.0245	0.0245		0.0226	0.0226	0.0000	81.8019	81.8019	0.0265	0.0000	82.4633
<b>Total</b>	<b>0.0544</b>	<b>0.5827</b>	<b>0.4356</b>	<b>9.3000e-004</b>	<b>0.1381</b>	<b>0.0245</b>	<b>0.1626</b>	<b>0.0548</b>	<b>0.0226</b>	<b>0.0774</b>	<b>0.0000</b>	<b>81.8019</b>	<b>81.8019</b>	<b>0.0265</b>	<b>0.0000</b>	<b>82.4633</b>

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**3.3 Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	9.2000e-004	6.0000e-004	7.5700e-003	2.0000e-005	2.2000e-003	1.0000e-005	2.2200e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.8143	1.8143	6.0000e-005	5.0000e-005	1.8321
<b>Total</b>	<b>9.2000e-004</b>	<b>6.0000e-004</b>	<b>7.5700e-003</b>	<b>2.0000e-005</b>	<b>2.2000e-003</b>	<b>1.0000e-005</b>	<b>2.2200e-003</b>	<b>5.9000e-004</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>1.8143</b>	<b>1.8143</b>	<b>6.0000e-005</b>	<b>5.0000e-005</b>	<b>1.8321</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0544	0.5827	0.4356	9.3000e-004		0.0245	0.0245		0.0226	0.0226	0.0000	81.8018	81.8018	0.0265	0.0000	82.4632
<b>Total</b>	<b>0.0544</b>	<b>0.5827</b>	<b>0.4356</b>	<b>9.3000e-004</b>	<b>0.1381</b>	<b>0.0245</b>	<b>0.1626</b>	<b>0.0548</b>	<b>0.0226</b>	<b>0.0774</b>	<b>0.0000</b>	<b>81.8018</b>	<b>81.8018</b>	<b>0.0265</b>	<b>0.0000</b>	<b>82.4632</b>

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

**3.3 Grading - 2022**

**Mitigated Construction 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	9.2000e-004	6.0000e-004	7.5700e-003	2.0000e-005	2.2000e-003	1.0000e-005	2.2200e-003	5.9000e-004	1.0000e-005	6.0000e-004	0.0000	1.8143	1.8143	6.0000e-005	5.0000e-005	1.8321
<b>Total</b>	<b>9.2000e-004</b>	<b>6.0000e-004</b>	<b>7.5700e-003</b>	<b>2.0000e-005</b>	<b>2.2000e-003</b>	<b>1.0000e-005</b>	<b>2.2200e-003</b>	<b>5.9000e-004</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>1.8143</b>	<b>1.8143</b>	<b>6.0000e-005</b>	<b>5.0000e-005</b>	<b>1.8321</b>

**3.4 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	2.2100e-003	0.0223	0.0292	5.0000e-005		1.1400e-003	1.1400e-003		1.0400e-003	1.0400e-003	0.0000	4.0055	4.0055	1.3000e-003	0.0000	4.0379
Paving	6.5900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>8.8000e-003</b>	<b>0.0223</b>	<b>0.0292</b>	<b>5.0000e-005</b>		<b>1.1400e-003</b>	<b>1.1400e-003</b>		<b>1.0400e-003</b>	<b>1.0400e-003</b>	<b>0.0000</b>	<b>4.0055</b>	<b>4.0055</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>4.0379</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 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	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>

**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	2.2100e-003	0.0223	0.0292	5.0000e-005		1.1400e-003	1.1400e-003		1.0400e-003	1.0400e-003	0.0000	4.0055	4.0055	1.3000e-003	0.0000	4.0379
Paving	6.5900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>8.8000e-003</b>	<b>0.0223</b>	<b>0.0292</b>	<b>5.0000e-005</b>		<b>1.1400e-003</b>	<b>1.1400e-003</b>		<b>1.0400e-003</b>	<b>1.0400e-003</b>	<b>0.0000</b>	<b>4.0055</b>	<b>4.0055</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>4.0379</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 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	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>

**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	0.0614	0.5622	0.5891	9.7000e-004		0.0291	0.0291		0.0274	0.0274	0.0000	83.4211	83.4211	0.0200	0.0000	83.9207
<b>Total</b>	<b>0.0614</b>	<b>0.5622</b>	<b>0.5891</b>	<b>9.7000e-004</b>		<b>0.0291</b>	<b>0.0291</b>		<b>0.0274</b>	<b>0.0274</b>	<b>0.0000</b>	<b>83.4211</b>	<b>83.4211</b>	<b>0.0200</b>	<b>0.0000</b>	<b>83.9207</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 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	5.3700e-003	0.1446	0.0421	5.0000e-004	0.0148	1.3400e-003	0.0161	4.2600e-003	1.2800e-003	5.5400e-003	0.0000	48.3758	48.3758	1.2600e-003	7.0900e-003	50.5208
Worker	0.0214	0.0139	0.1753	4.6000e-004	0.0510	2.9000e-004	0.0513	0.0136	2.6000e-004	0.0138	0.0000	42.0196	42.0196	1.4300e-003	1.2600e-003	42.4323
<b>Total</b>	<b>0.0268</b>	<b>0.1586</b>	<b>0.2174</b>	<b>9.6000e-004</b>	<b>0.0658</b>	<b>1.6300e-003</b>	<b>0.0674</b>	<b>0.0178</b>	<b>1.5400e-003</b>	<b>0.0194</b>	<b>0.0000</b>	<b>90.3954</b>	<b>90.3954</b>	<b>2.6900e-003</b>	<b>8.3500e-003</b>	<b>92.9531</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0614	0.5622	0.5891	9.7000e-004		0.0291	0.0291		0.0274	0.0274	0.0000	83.4210	83.4210	0.0200	0.0000	83.9206
<b>Total</b>	<b>0.0614</b>	<b>0.5622</b>	<b>0.5891</b>	<b>9.7000e-004</b>		<b>0.0291</b>	<b>0.0291</b>		<b>0.0274</b>	<b>0.0274</b>	<b>0.0000</b>	<b>83.4210</b>	<b>83.4210</b>	<b>0.0200</b>	<b>0.0000</b>	<b>83.9206</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 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	5.3700e-003	0.1446	0.0421	5.0000e-004	0.0148	1.3400e-003	0.0161	4.2600e-003	1.2800e-003	5.5400e-003	0.0000	48.3758	48.3758	1.2600e-003	7.0900e-003	50.5208
Worker	0.0214	0.0139	0.1753	4.6000e-004	0.0510	2.9000e-004	0.0513	0.0136	2.6000e-004	0.0138	0.0000	42.0196	42.0196	1.4300e-003	1.2600e-003	42.4323
<b>Total</b>	<b>0.0268</b>	<b>0.1586</b>	<b>0.2174</b>	<b>9.6000e-004</b>	<b>0.0658</b>	<b>1.6300e-003</b>	<b>0.0674</b>	<b>0.0178</b>	<b>1.5400e-003</b>	<b>0.0194</b>	<b>0.0000</b>	<b>90.3954</b>	<b>90.3954</b>	<b>2.6900e-003</b>	<b>8.3500e-003</b>	<b>92.9531</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	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3462</b>	<b>301.3462</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1383</b>

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**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	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	0.0119	0.4436	0.1337	1.7300e-003	0.0533	2.3600e-003	0.0556	0.0154	2.2600e-003	0.0177	0.0000	168.7771	168.7771	4.1600e-003	0.0248	176.2611
Worker	0.0720	0.0445	0.5849	1.5900e-003	0.1843	9.8000e-004	0.1853	0.0490	9.1000e-004	0.0499	0.0000	147.8256	147.8256	4.6800e-003	4.2200e-003	149.2015
<b>Total</b>	<b>0.0838</b>	<b>0.4881</b>	<b>0.7187</b>	<b>3.3200e-003</b>	<b>0.2375</b>	<b>3.3400e-003</b>	<b>0.2409</b>	<b>0.0644</b>	<b>3.1700e-003</b>	<b>0.0676</b>	<b>0.0000</b>	<b>316.6026</b>	<b>316.6026</b>	<b>8.8400e-003</b>	<b>0.0290</b>	<b>325.4626</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
<b>Total</b>	<b>0.2045</b>	<b>1.8700</b>	<b>2.1117</b>	<b>3.5000e-003</b>		<b>0.0910</b>	<b>0.0910</b>		<b>0.0856</b>	<b>0.0856</b>	<b>0.0000</b>	<b>301.3458</b>	<b>301.3458</b>	<b>0.0717</b>	<b>0.0000</b>	<b>303.1380</b>

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**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	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	0.0119	0.4436	0.1337	1.7300e-003	0.0533	2.3600e-003	0.0556	0.0154	2.2600e-003	0.0177	0.0000	168.7771	168.7771	4.1600e-003	0.0248	176.2611
Worker	0.0720	0.0445	0.5849	1.5900e-003	0.1843	9.8000e-004	0.1853	0.0490	9.1000e-004	0.0499	0.0000	147.8256	147.8256	4.6800e-003	4.2200e-003	149.2015
<b>Total</b>	<b>0.0838</b>	<b>0.4881</b>	<b>0.7187</b>	<b>3.3200e-003</b>	<b>0.2375</b>	<b>3.3400e-003</b>	<b>0.2409</b>	<b>0.0644</b>	<b>3.1700e-003</b>	<b>0.0676</b>	<b>0.0000</b>	<b>316.6026</b>	<b>316.6026</b>	<b>8.8400e-003</b>	<b>0.0290</b>	<b>325.4626</b>

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
<b>Total</b>	<b>0.1928</b>	<b>1.7611</b>	<b>2.1179</b>	<b>3.5300e-003</b>		<b>0.0803</b>	<b>0.0803</b>		<b>0.0756</b>	<b>0.0756</b>	<b>0.0000</b>	<b>303.7223</b>	<b>303.7223</b>	<b>0.0718</b>	<b>0.0000</b>	<b>305.5179</b>

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**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0114	0.4381	0.1306	1.7100e-003	0.0537	2.3500e-003	0.0560	0.0155	2.2400e-003	0.0178	0.0000	166.8452	166.8452	4.0800e-003	0.0245	174.2588
Worker	0.0678	0.0399	0.5486	1.5500e-003	0.1857	9.4000e-004	0.1866	0.0494	8.7000e-004	0.0503	0.0000	145.2443	145.2443	4.2700e-003	3.9600e-003	146.5308
<b>Total</b>	<b>0.0793</b>	<b>0.4781</b>	<b>0.6792</b>	<b>3.2600e-003</b>	<b>0.2394</b>	<b>3.2900e-003</b>	<b>0.2427</b>	<b>0.0649</b>	<b>3.1100e-003</b>	<b>0.0680</b>	<b>0.0000</b>	<b>312.0895</b>	<b>312.0895</b>	<b>8.3500e-003</b>	<b>0.0285</b>	<b>320.7896</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
<b>Total</b>	<b>0.1928</b>	<b>1.7611</b>	<b>2.1179</b>	<b>3.5300e-003</b>		<b>0.0803</b>	<b>0.0803</b>		<b>0.0756</b>	<b>0.0756</b>	<b>0.0000</b>	<b>303.7220</b>	<b>303.7220</b>	<b>0.0718</b>	<b>0.0000</b>	<b>305.5175</b>

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

**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0114	0.4381	0.1306	1.7100e-003	0.0537	2.3500e-003	0.0560	0.0155	2.2400e-003	0.0178	0.0000	166.8452	166.8452	4.0800e-003	0.0245	174.2588
Worker	0.0678	0.0399	0.5486	1.5500e-003	0.1857	9.4000e-004	0.1866	0.0494	8.7000e-004	0.0503	0.0000	145.2443	145.2443	4.2700e-003	3.9600e-003	146.5308
<b>Total</b>	<b>0.0793</b>	<b>0.4781</b>	<b>0.6792</b>	<b>3.2600e-003</b>	<b>0.2394</b>	<b>3.2900e-003</b>	<b>0.2427</b>	<b>0.0649</b>	<b>3.1100e-003</b>	<b>0.0680</b>	<b>0.0000</b>	<b>312.0895</b>	<b>312.0895</b>	<b>8.3500e-003</b>	<b>0.0285</b>	<b>320.7896</b>

**3.5 Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0862	0.7856	1.0133	1.7000e-003		0.0332	0.0332		0.0313	0.0313	0.0000	146.1093	146.1093	0.0344	0.0000	146.9679
<b>Total</b>	<b>0.0862</b>	<b>0.7856</b>	<b>1.0133</b>	<b>1.7000e-003</b>		<b>0.0332</b>	<b>0.0332</b>		<b>0.0313</b>	<b>0.0313</b>	<b>0.0000</b>	<b>146.1093</b>	<b>146.1093</b>	<b>0.0344</b>	<b>0.0000</b>	<b>146.9679</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 - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3000e-003	0.2064	0.0613	8.1000e-004	0.0258	1.1100e-003	0.0269	7.4600e-003	1.0600e-003	8.5200e-003	0.0000	78.6152	78.6152	1.9200e-003	0.0116	82.1146
Worker	0.0306	0.0172	0.2468	7.2000e-004	0.0893	4.3000e-004	0.0897	0.0238	4.0000e-004	0.0242	0.0000	68.1610	68.1610	1.8700e-003	1.7800e-003	68.7381
<b>Total</b>	<b>0.0359</b>	<b>0.2237</b>	<b>0.3081</b>	<b>1.5300e-003</b>	<b>0.1151</b>	<b>1.5400e-003</b>	<b>0.1167</b>	<b>0.0312</b>	<b>1.4600e-003</b>	<b>0.0327</b>	<b>0.0000</b>	<b>146.7763</b>	<b>146.7763</b>	<b>3.7900e-003</b>	<b>0.0134</b>	<b>150.8527</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0862	0.7856	1.0133	1.7000e-003		0.0332	0.0332		0.0313	0.0313	0.0000	146.1091	146.1091	0.0344	0.0000	146.9677
<b>Total</b>	<b>0.0862</b>	<b>0.7856</b>	<b>1.0133</b>	<b>1.7000e-003</b>		<b>0.0332</b>	<b>0.0332</b>		<b>0.0313</b>	<b>0.0313</b>	<b>0.0000</b>	<b>146.1091</b>	<b>146.1091</b>	<b>0.0344</b>	<b>0.0000</b>	<b>146.9677</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 - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3000e-003	0.2064	0.0613	8.1000e-004	0.0258	1.1100e-003	0.0269	7.4600e-003	1.0600e-003	8.5200e-003	0.0000	78.6152	78.6152	1.9200e-003	0.0116	82.1146
Worker	0.0306	0.0172	0.2468	7.2000e-004	0.0893	4.3000e-004	0.0897	0.0238	4.0000e-004	0.0242	0.0000	68.1610	68.1610	1.8700e-003	1.7800e-003	68.7381
<b>Total</b>	<b>0.0359</b>	<b>0.2237</b>	<b>0.3081</b>	<b>1.5300e-003</b>	<b>0.1151</b>	<b>1.5400e-003</b>	<b>0.1167</b>	<b>0.0312</b>	<b>1.4600e-003</b>	<b>0.0327</b>	<b>0.0000</b>	<b>146.7763</b>	<b>146.7763</b>	<b>3.7900e-003</b>	<b>0.0134</b>	<b>150.8527</b>

**3.6 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	0.1743					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3400e-003	0.0437	0.0562	9.0000e-005		2.5300e-003	2.5300e-003		2.5300e-003	2.5300e-003	0.0000	7.9151	7.9151	5.2000e-004	0.0000	7.9280
<b>Total</b>	<b>0.1806</b>	<b>0.0437</b>	<b>0.0562</b>	<b>9.0000e-005</b>		<b>2.5300e-003</b>	<b>2.5300e-003</b>		<b>2.5300e-003</b>	<b>2.5300e-003</b>	<b>0.0000</b>	<b>7.9151</b>	<b>7.9151</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>7.9280</b>

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

**3.6 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7200e-003	2.4300e-003	0.0305	8.0000e-005	8.8800e-003	5.0000e-005	8.9300e-003	2.3600e-003	5.0000e-005	2.4100e-003	0.0000	7.3117	7.3117	2.5000e-004	2.2000e-004	7.3835
<b>Total</b>	<b>3.7200e-003</b>	<b>2.4300e-003</b>	<b>0.0305</b>	<b>8.0000e-005</b>	<b>8.8800e-003</b>	<b>5.0000e-005</b>	<b>8.9300e-003</b>	<b>2.3600e-003</b>	<b>5.0000e-005</b>	<b>2.4100e-003</b>	<b>0.0000</b>	<b>7.3117</b>	<b>7.3117</b>	<b>2.5000e-004</b>	<b>2.2000e-004</b>	<b>7.3835</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1743					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3400e-003	0.0437	0.0562	9.0000e-005		2.5300e-003	2.5300e-003		2.5300e-003	2.5300e-003	0.0000	7.9151	7.9151	5.2000e-004	0.0000	7.9280
<b>Total</b>	<b>0.1806</b>	<b>0.0437</b>	<b>0.0562</b>	<b>9.0000e-005</b>		<b>2.5300e-003</b>	<b>2.5300e-003</b>		<b>2.5300e-003</b>	<b>2.5300e-003</b>	<b>0.0000</b>	<b>7.9151</b>	<b>7.9151</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>7.9280</b>



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

**3.6 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7200e-003	2.4300e-003	0.0305	8.0000e-005	8.8800e-003	5.0000e-005	8.9300e-003	2.3600e-003	5.0000e-005	2.4100e-003	0.0000	7.3117	7.3117	2.5000e-004	2.2000e-004	7.3835
<b>Total</b>	<b>3.7200e-003</b>	<b>2.4300e-003</b>	<b>0.0305</b>	<b>8.0000e-005</b>	<b>8.8800e-003</b>	<b>5.0000e-005</b>	<b>8.9300e-003</b>	<b>2.3600e-003</b>	<b>5.0000e-005</b>	<b>2.4100e-003</b>	<b>0.0000</b>	<b>7.3117</b>	<b>7.3117</b>	<b>2.5000e-004</b>	<b>2.2000e-004</b>	<b>7.3835</b>

**3.6 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	0.7309					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
<b>Total</b>	<b>0.7558</b>	<b>0.1694</b>	<b>0.2355</b>	<b>3.9000e-004</b>		<b>9.2100e-003</b>	<b>9.2100e-003</b>		<b>9.2100e-003</b>	<b>9.2100e-003</b>	<b>0.0000</b>	<b>33.1923</b>	<b>33.1923</b>	<b>1.9900e-003</b>	<b>0.0000</b>	<b>33.2419</b>

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**3.6 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	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	0.0145	8.9900e-003	0.1182	3.2000e-004	0.0372	2.0000e-004	0.0374	9.9000e-003	1.8000e-004	0.0101	0.0000	29.8715	29.8715	9.5000e-004	8.5000e-004	30.1495
<b>Total</b>	<b>0.0145</b>	<b>8.9900e-003</b>	<b>0.1182</b>	<b>3.2000e-004</b>	<b>0.0372</b>	<b>2.0000e-004</b>	<b>0.0374</b>	<b>9.9000e-003</b>	<b>1.8000e-004</b>	<b>0.0101</b>	<b>0.0000</b>	<b>29.8715</b>	<b>29.8715</b>	<b>9.5000e-004</b>	<b>8.5000e-004</b>	<b>30.1495</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7309					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
<b>Total</b>	<b>0.7558</b>	<b>0.1694</b>	<b>0.2354</b>	<b>3.9000e-004</b>		<b>9.2100e-003</b>	<b>9.2100e-003</b>		<b>9.2100e-003</b>	<b>9.2100e-003</b>	<b>0.0000</b>	<b>33.1923</b>	<b>33.1923</b>	<b>1.9900e-003</b>	<b>0.0000</b>	<b>33.2419</b>

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

**3.6 Architectural Coating - 2023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0145	8.9900e-003	0.1182	3.2000e-004	0.0372	2.0000e-004	0.0374	9.9000e-003	1.8000e-004	0.0101	0.0000	29.8715	29.8715	9.5000e-004	8.5000e-004	30.1495
<b>Total</b>	<b>0.0145</b>	<b>8.9900e-003</b>	<b>0.1182</b>	<b>3.2000e-004</b>	<b>0.0372</b>	<b>2.0000e-004</b>	<b>0.0374</b>	<b>9.9000e-003</b>	<b>1.8000e-004</b>	<b>0.0101</b>	<b>0.0000</b>	<b>29.8715</b>	<b>29.8715</b>	<b>9.5000e-004</b>	<b>8.5000e-004</b>	<b>30.1495</b>

**3.6 Architectural Coating - 2024**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7365					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
<b>Total</b>	<b>0.7602</b>	<b>0.1597</b>	<b>0.2371</b>	<b>3.9000e-004</b>		<b>7.9800e-003</b>	<b>7.9800e-003</b>		<b>7.9800e-003</b>	<b>7.9800e-003</b>	<b>0.0000</b>	<b>33.4476</b>	<b>33.4476</b>	<b>1.8800e-003</b>	<b>0.0000</b>	<b>33.4947</b>

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

**3.6 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0137	8.0700e-003	0.1109	3.1000e-004	0.0375	1.9000e-004	0.0377	9.9800e-003	1.8000e-004	0.0102	0.0000	29.3499	29.3499	8.6000e-004	8.0000e-004	29.6099
<b>Total</b>	<b>0.0137</b>	<b>8.0700e-003</b>	<b>0.1109</b>	<b>3.1000e-004</b>	<b>0.0375</b>	<b>1.9000e-004</b>	<b>0.0377</b>	<b>9.9800e-003</b>	<b>1.8000e-004</b>	<b>0.0102</b>	<b>0.0000</b>	<b>29.3499</b>	<b>29.3499</b>	<b>8.6000e-004</b>	<b>8.0000e-004</b>	<b>29.6099</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7365					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
<b>Total</b>	<b>0.7602</b>	<b>0.1597</b>	<b>0.2371</b>	<b>3.9000e-004</b>		<b>7.9800e-003</b>	<b>7.9800e-003</b>		<b>7.9800e-003</b>	<b>7.9800e-003</b>	<b>0.0000</b>	<b>33.4476</b>	<b>33.4476</b>	<b>1.8800e-003</b>	<b>0.0000</b>	<b>33.4947</b>

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

**3.6 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0137	8.0700e-003	0.1109	3.1000e-004	0.0375	1.9000e-004	0.0377	9.9800e-003	1.8000e-004	0.0102	0.0000	29.3499	29.3499	8.6000e-004	8.0000e-004	29.6099
<b>Total</b>	<b>0.0137</b>	<b>8.0700e-003</b>	<b>0.1109</b>	<b>3.1000e-004</b>	<b>0.0375</b>	<b>1.9000e-004</b>	<b>0.0377</b>	<b>9.9800e-003</b>	<b>1.8000e-004</b>	<b>0.0102</b>	<b>0.0000</b>	<b>29.3499</b>	<b>29.3499</b>	<b>8.6000e-004</b>	<b>8.0000e-004</b>	<b>29.6099</b>

**3.6 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3823					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.0779	0.1230	2.0000e-004		3.5000e-003	3.5000e-003		3.5000e-003	3.5000e-003	0.0000	17.3621	17.3621	9.5000e-004	0.0000	17.3858
<b>Total</b>	<b>0.3939</b>	<b>0.0779</b>	<b>0.1230</b>	<b>2.0000e-004</b>		<b>3.5000e-003</b>	<b>3.5000e-003</b>		<b>3.5000e-003</b>	<b>3.5000e-003</b>	<b>0.0000</b>	<b>17.3621</b>	<b>17.3621</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>17.3858</b>

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

**3.6 Architectural Coating - 2025**

**Unmitigated Construction 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	6.6800e-003	3.7600e-003	0.0538	1.6000e-004	0.0195	9.0000e-005	0.0196	5.1800e-003	9.0000e-005	5.2700e-003	0.0000	14.8666	14.8666	4.1000e-004	3.9000e-004	14.9925
<b>Total</b>	<b>6.6800e-003</b>	<b>3.7600e-003</b>	<b>0.0538</b>	<b>1.6000e-004</b>	<b>0.0195</b>	<b>9.0000e-005</b>	<b>0.0196</b>	<b>5.1800e-003</b>	<b>9.0000e-005</b>	<b>5.2700e-003</b>	<b>0.0000</b>	<b>14.8666</b>	<b>14.8666</b>	<b>4.1000e-004</b>	<b>3.9000e-004</b>	<b>14.9925</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3823					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.0779	0.1230	2.0000e-004		3.5000e-003	3.5000e-003		3.5000e-003	3.5000e-003	0.0000	17.3621	17.3621	9.5000e-004	0.0000	17.3858
<b>Total</b>	<b>0.3939</b>	<b>0.0779</b>	<b>0.1230</b>	<b>2.0000e-004</b>		<b>3.5000e-003</b>	<b>3.5000e-003</b>		<b>3.5000e-003</b>	<b>3.5000e-003</b>	<b>0.0000</b>	<b>17.3621</b>	<b>17.3621</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>17.3858</b>

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

**3.6 Architectural Coating - 2025**

**Mitigated Construction 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	6.6800e-003	3.7600e-003	0.0538	1.6000e-004	0.0195	9.0000e-005	0.0196	5.1800e-003	9.0000e-005	5.2700e-003	0.0000	14.8666	14.8666	4.1000e-004	3.9000e-004	14.9925
<b>Total</b>	<b>6.6800e-003</b>	<b>3.7600e-003</b>	<b>0.0538</b>	<b>1.6000e-004</b>	<b>0.0195</b>	<b>9.0000e-005</b>	<b>0.0196</b>	<b>5.1800e-003</b>	<b>9.0000e-005</b>	<b>5.2700e-003</b>	<b>0.0000</b>	<b>14.8666</b>	<b>14.8666</b>	<b>4.1000e-004</b>	<b>3.9000e-004</b>	<b>14.9925</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Improve Pedestrian Network

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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	0.7312	0.9270	6.6487	0.0139	1.4763	0.0110	1.4873	0.3947	0.0103	0.4049	0.0000	1,314.1418	1,314.1418	0.0893	0.0645	1,335.5905
Unmitigated	0.7377	0.9416	6.7521	0.0141	1.5065	0.0112	1.5176	0.4027	0.0104	0.4132	0.0000	1,340.1428	1,340.1428	0.0904	0.0655	1,361.9190

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,584.15	1,584.15	1,584.15	4,065,102	3,983,800
<b>Total</b>	<b>1,584.15</b>	<b>1,584.15</b>	<b>1,584.15</b>	<b>4,065,102</b>	<b>3,983,800</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
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
Other Asphalt Surfaces	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207



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

Single Family Housing	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	227.2642	227.2642	0.0210	2.5400e-003	228.5446
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	227.2642	227.2642	0.0210	2.5400e-003	228.5446
Natural Gas Mitigated	0.0226	0.1930	0.0821	1.2300e-003		0.0156	0.0156		0.0156	0.0156	0.0000	223.4668	223.4668	4.2800e-003	4.1000e-003	224.7947
Natural Gas Unmitigated	0.0226	0.1930	0.0821	1.2300e-003		0.0156	0.0156		0.0156	0.0156	0.0000	223.4668	223.4668	4.2800e-003	4.1000e-003	224.7947

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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					
City Park	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
Other 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
Single Family Housing	4.18761e+006	0.0226	0.1930	0.0821	1.2300e-003		0.0156	0.0156		0.0156	0.0156	0.0000	223.4668	223.4668	4.2800e-003	4.1000e-003	224.7947
<b>Total</b>		<b>0.0226</b>	<b>0.1930</b>	<b>0.0821</b>	<b>1.2300e-003</b>		<b>0.0156</b>	<b>0.0156</b>		<b>0.0156</b>	<b>0.0156</b>	<b>0.0000</b>	<b>223.4668</b>	<b>223.4668</b>	<b>4.2800e-003</b>	<b>4.1000e-003</b>	<b>224.7947</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					
City Park	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
Other 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
Single Family Housing	4.18761e+006	0.0226	0.1930	0.0821	1.2300e-003		0.0156	0.0156		0.0156	0.0156	0.0000	223.4668	223.4668	4.2800e-003	4.1000e-003	224.7947
<b>Total</b>		<b>0.0226</b>	<b>0.1930</b>	<b>0.0821</b>	<b>1.2300e-003</b>		<b>0.0156</b>	<b>0.0156</b>		<b>0.0156</b>	<b>0.0156</b>	<b>0.0000</b>	<b>223.4668</b>	<b>223.4668</b>	<b>4.2800e-003</b>	<b>4.1000e-003</b>	<b>224.7947</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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.39961e+006	227.2642	0.0210	2.5400e-003	228.5446
<b>Total</b>		<b>227.2642</b>	<b>0.0210</b>	<b>2.5400e-003</b>	<b>228.5446</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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.39961e+006	227.2642	0.0210	2.5400e-003	228.5446
<b>Total</b>		<b>227.2642</b>	<b>0.0210</b>	<b>2.5400e-003</b>	<b>228.5446</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.5165	0.0210	1.8237	1.0000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	2.9818	2.9818	2.8600e-003	0.0000	3.0532
Unmitigated	1.5165	0.0210	1.8237	1.0000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	2.9818	2.9818	2.8600e-003	0.0000	3.0532

**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	0.2024					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2593					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0548	0.0210	1.8237	1.0000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	2.9818	2.9818	2.8600e-003	0.0000	3.0532
<b>Total</b>	<b>1.5165</b>	<b>0.0210</b>	<b>1.8237</b>	<b>1.0000e-004</b>		<b>0.0101</b>	<b>0.0101</b>		<b>0.0101</b>	<b>0.0101</b>	<b>0.0000</b>	<b>2.9818</b>	<b>2.9818</b>	<b>2.8600e-003</b>	<b>0.0000</b>	<b>3.0532</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	0.2024					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2593					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0548	0.0210	1.8237	1.0000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	2.9818	2.9818	2.8600e-003	0.0000	3.0532
<b>Total</b>	<b>1.5165</b>	<b>0.0210</b>	<b>1.8237</b>	<b>1.0000e-004</b>		<b>0.0101</b>	<b>0.0101</b>		<b>0.0101</b>	<b>0.0101</b>	<b>0.0000</b>	<b>2.9818</b>	<b>2.9818</b>	<b>2.8600e-003</b>	<b>0.0000</b>	<b>3.0532</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Annual

**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	17.8319	0.0153	9.0300e-003	20.9046
Unmitigated	18.9372	0.0154	9.0400e-003	22.0161

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.45445	1.3949	1.3000e-004	2.0000e-005	1.4028
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11.5323 / 7.27034	17.5423	0.0153	9.0200e-003	20.6134
<b>Total</b>		<b>18.9372</b>	<b>0.0154</b>	<b>9.0400e-003</b>	<b>22.0161</b>



Robla Estates Project - Sacramento Metropolitan AQMD Air District, Annual

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

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 1.96356	1.1159	1.0000e-004	1.0000e-005	1.1222
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	11.5323 / 5.81627	16.7159	0.0152	9.0100e-003	19.7823
<b>Total</b>		<b>17.8319</b>	<b>0.0153</b>	<b>9.0200e-003</b>	<b>20.9046</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	34.6018	2.0449	0.0000	85.7246
Unmitigated	34.6018	2.0449	0.0000	85.7246

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.18	0.0365	2.1600e-003	0.0000	0.0905
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	170.28	34.5653	2.0428	0.0000	85.6341
<b>Total</b>		<b>34.6018</b>	<b>2.0449</b>	<b>0.0000</b>	<b>85.7246</b>

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

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.18	0.0365	2.1600e-003	0.0000	0.0905
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	170.28	34.5653	2.0428	0.0000	85.6341
<b>Total</b>		<b>34.6018</b>	<b>2.0449</b>	<b>0.0000</b>	<b>85.7246</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**

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

**11.0 Vegetation**

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Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**Robla Estates Project**  
**Sacramento Metropolitan AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	5.03	Acre	5.03	219,106.80	0
City Park	2.06	Acre	2.06	89,733.60	0
Single Family Housing	177.00	Dwelling Unit	13.34	318,600.00	473

**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>	2025
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

- Project Characteristics -
- Land Use - Acreages adjusted to match site plan.
- Construction Phase - Phase timing based on applicant-provided questionnaire.
- Grading -
- Vehicle Trips - Trip generation rates updated based on project-specific traffic study (DKS 2022).
- Mobile Land Use Mitigation -
- Area Mitigation -
- Water Mitigation - Outdoor water conservation strategy applied to reflect compliance with MWEL0.

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	720.00
tblConstructionPhase	NumDays	370.00	720.00
tblConstructionPhase	NumDays	35.00	30.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	10.00	4.00
tblLandUse	LotAcreage	57.47	13.34
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	9.54	8.95
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	8.55	8.95
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.44	8.95

**2.0 Emissions Summary**

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Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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	8.5251	38.8801	29.6330	0.0635	19.7939	1.6357	21.4073	10.1388	1.5049	11.6230	0.0000	6,157.5609	6,157.5609	1.9486	0.2607	6,207.4001
2023	8.2621	19.3048	25.3868	0.0594	2.1866	0.7978	2.9843	0.5895	0.7549	1.3445	0.0000	5,918.4888	5,918.4888	0.7054	0.2503	6,010.7024
2024	8.0944	18.1741	24.8236	0.0586	2.1865	0.7007	2.8872	0.5895	0.6629	1.2524	0.0000	5,850.0956	5,850.0956	0.6955	0.2439	5,940.1725
2025	7.9325	17.0278	24.3272	0.0578	2.1865	0.6048	2.7913	0.5895	0.5721	1.1616	0.0000	5,783.1270	5,783.1270	0.6870	0.2377	5,871.1310
<b>Maximum</b>	<b>8.5251</b>	<b>38.8801</b>	<b>29.6330</b>	<b>0.0635</b>	<b>19.7939</b>	<b>1.6357</b>	<b>21.4073</b>	<b>10.1388</b>	<b>1.5049</b>	<b>11.6230</b>	<b>0.0000</b>	<b>6,157.5609</b>	<b>6,157.5609</b>	<b>1.9486</b>	<b>0.2607</b>	<b>6,207.4001</b>





Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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	8.4474	0.1681	14.5896	7.7000e-004		0.0810	0.0810		0.0810	0.0810	0.0000	26.2953	26.2953	0.0252	0.0000	26.9249
Energy	0.1237	1.0573	0.4499	6.7500e-003		0.0855	0.0855		0.0855	0.0855		1,349.7532	1,349.7532	0.0259	0.0248	1,357.7741
Mobile	4.9924	4.7638	39.9784	0.0835	8.5705	0.0615	8.6320	2.2847	0.0574	2.3421		8,719.8464	8,719.8464	0.5225	0.3809	8,846.4092
<b>Total</b>	<b>13.5635</b>	<b>5.9892</b>	<b>55.0180</b>	<b>0.0910</b>	<b>8.5705</b>	<b>0.2279</b>	<b>8.7984</b>	<b>2.2847</b>	<b>0.2239</b>	<b>2.5086</b>	<b>0.0000</b>	<b>10,095.8949</b>	<b>10,095.8949</b>	<b>0.5735</b>	<b>0.4056</b>	<b>10,231.1082</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	8.4474	0.1681	14.5896	7.7000e-004		0.0810	0.0810		0.0810	0.0810	0.0000	26.2953	26.2953	0.0252	0.0000	26.9249
Energy	0.1237	1.0573	0.4499	6.7500e-003		0.0855	0.0855		0.0855	0.0855		1,349.7532	1,349.7532	0.0259	0.0248	1,357.7741
Mobile	4.9571	4.6909	39.3244	0.0818	8.3991	0.0604	8.4595	2.2390	0.0564	2.2954		8,550.2509	8,550.2509	0.5153	0.3751	8,674.8987
<b>Total</b>	<b>13.5283</b>	<b>5.9163</b>	<b>54.3640</b>	<b>0.0893</b>	<b>8.3991</b>	<b>0.2268</b>	<b>8.6259</b>	<b>2.2390</b>	<b>0.2228</b>	<b>2.4618</b>	<b>0.0000</b>	<b>9,926.2994</b>	<b>9,926.2994</b>	<b>0.5663</b>	<b>0.3998</b>	<b>10,059.5978</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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
Percent Reduction	0.26	1.22	1.19	1.79	2.00	0.48	1.96	2.00	0.46	1.86	0.00	1.68	1.68	1.26	1.43	1.68

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2022	8/4/2022	5	4	
2	Grading	Grading	8/5/2022	9/15/2022	5	30	
3	Paving	Paving	9/16/2022	9/21/2022	5	4	
4	Building Construction	Building Construction	9/22/2022	6/25/2025	5	720	
5	Architectural Coating	Architectural Coating	10/6/2022	7/9/2025	5	720	

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

**Acres of Grading (Grading Phase): 90**

**Acres of Paving: 5.03**

**Residential Indoor: 645,165; Residential Outdoor: 215,055; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 13,146 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	193.00	70.00	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	39.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.2 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0652	0.0329	0.5324	1.2900e-003	0.1369	7.4000e-004	0.1377	0.0363	6.8000e-004	0.0370		131.5353	131.5353	3.9000e-003	3.4000e-003	132.6458
<b>Total</b>	<b>0.0652</b>	<b>0.0329</b>	<b>0.5324</b>	<b>1.2900e-003</b>	<b>0.1369</b>	<b>7.4000e-004</b>	<b>0.1377</b>	<b>0.0363</b>	<b>6.8000e-004</b>	<b>0.0370</b>		<b>131.5353</b>	<b>131.5353</b>	<b>3.9000e-003</b>	<b>3.4000e-003</b>	<b>132.6458</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.2 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0652	0.0329	0.5324	1.2900e-003	0.1369	7.4000e-004	0.1377	0.0363	6.8000e-004	0.0370		131.5353	131.5353	3.9000e-003	3.4000e-003	132.6458
<b>Total</b>	<b>0.0652</b>	<b>0.0329</b>	<b>0.5324</b>	<b>1.2900e-003</b>	<b>0.1369</b>	<b>7.4000e-004</b>	<b>0.1377</b>	<b>0.0363</b>	<b>6.8000e-004</b>	<b>0.0370</b>		<b>131.5353</b>	<b>131.5353</b>	<b>3.9000e-003</b>	<b>3.4000e-003</b>	<b>132.6458</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.6349</b>	<b>10.8385</b>	<b>3.6538</b>	<b>1.5041</b>	<b>5.1579</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.0725	0.0366	0.5915	1.4400e-003	0.1521	8.3000e-004	0.1530	0.0404	7.6000e-004	0.0411		146.1503	146.1503	4.3400e-003	3.7800e-003	147.3843
<b>Total</b>	<b>0.0725</b>	<b>0.0366</b>	<b>0.5915</b>	<b>1.4400e-003</b>	<b>0.1521</b>	<b>8.3000e-004</b>	<b>0.1530</b>	<b>0.0404</b>	<b>7.6000e-004</b>	<b>0.0411</b>		<b>146.1503</b>	<b>146.1503</b>	<b>4.3400e-003</b>	<b>3.7800e-003</b>	<b>147.3843</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.3 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.6349</b>	<b>10.8385</b>	<b>3.6538</b>	<b>1.5041</b>	<b>5.1579</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.0725	0.0366	0.5915	1.4400e-003	0.1521	8.3000e-004	0.1530	0.0404	7.6000e-004	0.0411		146.1503	146.1503	4.3400e-003	3.7800e-003	147.3843
<b>Total</b>	<b>0.0725</b>	<b>0.0366</b>	<b>0.5915</b>	<b>1.4400e-003</b>	<b>0.1521</b>	<b>8.3000e-004</b>	<b>0.1530</b>	<b>0.0404</b>	<b>7.6000e-004</b>	<b>0.0411</b>		<b>146.1503</b>	<b>146.1503</b>	<b>4.3400e-003</b>	<b>3.7800e-003</b>	<b>147.3843</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.4 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	3.2947					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.3975</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.660 3</b>	<b>2,207.660 3</b>	<b>0.7140</b>		<b>2,225.510 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0544	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>



Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.4 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	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	3.2947					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.3975</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.660 3</b>	<b>2,207.660 3</b>	<b>0.7140</b>		<b>2,225.510 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0544	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>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1515	3.8130	1.1480	0.0138	0.4218	0.0370	0.4588	0.1214	0.0354	0.1568		1,481.3340	1,481.3340	0.0387	0.2169	1,546.9476
Worker	0.6993	0.3531	5.7082	0.0139	1.4682	7.9700e-003	1.4761	0.3894	7.3400e-003	0.3968		1,410.3507	1,410.3507	0.0419	0.0365	1,422.2582
<b>Total</b>	<b>0.8508</b>	<b>4.1661</b>	<b>6.8562</b>	<b>0.0277</b>	<b>1.8899</b>	<b>0.0450</b>	<b>1.9349</b>	<b>0.5108</b>	<b>0.0428</b>	<b>0.5536</b>		<b>2,891.6847</b>	<b>2,891.6847</b>	<b>0.0806</b>	<b>0.2534</b>	<b>2,969.2058</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1515	3.8130	1.1480	0.0138	0.4218	0.0370	0.4588	0.1214	0.0354	0.1568		1,481.3340	1,481.3340	0.0387	0.2169	1,546.9476
Worker	0.6993	0.3531	5.7082	0.0139	1.4682	7.9700e-003	1.4761	0.3894	7.3400e-003	0.3968		1,410.3507	1,410.3507	0.0419	0.0365	1,422.2582
<b>Total</b>	<b>0.8508</b>	<b>4.1661</b>	<b>6.8562</b>	<b>0.0277</b>	<b>1.8899</b>	<b>0.0450</b>	<b>1.9349</b>	<b>0.5108</b>	<b>0.0428</b>	<b>0.5536</b>		<b>2,891.6847</b>	<b>2,891.6847</b>	<b>0.0806</b>	<b>0.2534</b>	<b>2,969.2058</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0937	3.2413	1.0090	0.0133	0.4217	0.0181	0.4398	0.1214	0.0173	0.1387		1,430.6895	1,430.6895	0.0354	0.2097	1,494.0696
Worker	0.6503	0.3125	5.2598	0.0134	1.4682	7.5700e-003	1.4757	0.3894	6.9700e-003	0.3964		1,373.5788	1,373.5788	0.0377	0.0337	1,384.5734
<b>Total</b>	<b>0.7440</b>	<b>3.5537</b>	<b>6.2689</b>	<b>0.0268</b>	<b>1.8899</b>	<b>0.0257</b>	<b>1.9156</b>	<b>0.5108</b>	<b>0.0243</b>	<b>0.5351</b>		<b>2,804.2683</b>	<b>2,804.2683</b>	<b>0.0731</b>	<b>0.2435</b>	<b>2,878.6430</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0937	3.2413	1.0090	0.0133	0.4217	0.0181	0.4398	0.1214	0.0173	0.1387		1,430.6895	1,430.6895	0.0354	0.2097	1,494.0696
Worker	0.6503	0.3125	5.2598	0.0134	1.4682	7.5700e-003	1.4757	0.3894	6.9700e-003	0.3964		1,373.5788	1,373.5788	0.0377	0.0337	1,384.5734
<b>Total</b>	<b>0.7440</b>	<b>3.5537</b>	<b>6.2689</b>	<b>0.0268</b>	<b>1.8899</b>	<b>0.0257</b>	<b>1.9156</b>	<b>0.5108</b>	<b>0.0243</b>	<b>0.5351</b>		<b>2,804.2683</b>	<b>2,804.2683</b>	<b>0.0731</b>	<b>0.2435</b>	<b>2,878.6430</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0896	3.1769	0.9774	0.0131	0.4217	0.0178	0.4395	0.1214	0.0171	0.1384		1,403.4422	1,403.4422	0.0344	0.2062	1,465.7501
Worker	0.6075	0.2784	4.8826	0.0130	1.4682	7.2100e-003	1.4754	0.3894	6.6400e-003	0.3961		1,338.9429	1,338.9429	0.0341	0.0314	1,349.1453
<b>Total</b>	<b>0.6971</b>	<b>3.4553</b>	<b>5.8600</b>	<b>0.0261</b>	<b>1.8898</b>	<b>0.0250</b>	<b>1.9149</b>	<b>0.5108</b>	<b>0.0237</b>	<b>0.5345</b>		<b>2,742.3851</b>	<b>2,742.3851</b>	<b>0.0684</b>	<b>0.2376</b>	<b>2,814.8954</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.5 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0896	3.1769	0.9774	0.0131	0.4217	0.0178	0.4395	0.1214	0.0171	0.1384		1,403.4422	1,403.4422	0.0344	0.2062	1,465.7501
Worker	0.6075	0.2784	4.8826	0.0130	1.4682	7.2100e-003	1.4754	0.3894	6.6400e-003	0.3961		1,338.9429	1,338.9429	0.0341	0.0314	1,349.1453
<b>Total</b>	<b>0.6971</b>	<b>3.4553</b>	<b>5.8600</b>	<b>0.0261</b>	<b>1.8898</b>	<b>0.0250</b>	<b>1.9149</b>	<b>0.5108</b>	<b>0.0237</b>	<b>0.5345</b>		<b>2,742.3851</b>	<b>2,742.3851</b>	<b>0.0684</b>	<b>0.2376</b>	<b>2,814.8954</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.5 Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0864	3.1123	0.9545	0.0128	0.4216	0.0175	0.4391	0.1214	0.0167	0.1381		1,374.983 9	1,374.983 9	0.0337	0.2024	1,436.142 0
Worker	0.5703	0.2499	4.5579	0.0125	1.4682	6.8900e-003	1.4750	0.3894	6.3400e-003	0.3958		1,306.261 2	1,306.261 2	0.0308	0.0294	1,315.776 7
<b>Total</b>	<b>0.6567</b>	<b>3.3622</b>	<b>5.5124</b>	<b>0.0254</b>	<b>1.8898</b>	<b>0.0244</b>	<b>1.9142</b>	<b>0.5108</b>	<b>0.0231</b>	<b>0.5339</b>		<b>2,681.245 0</b>	<b>2,681.245 0</b>	<b>0.0645</b>	<b>0.2318</b>	<b>2,751.918 7</b>



Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.5 Building Construction - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0864	3.1123	0.9545	0.0128	0.4216	0.0175	0.4391	0.1214	0.0167	0.1381		1,374.983 9	1,374.983 9	0.0337	0.2024	1,436.142 0
Worker	0.5703	0.2499	4.5579	0.0125	1.4682	6.8900e-003	1.4750	0.3894	6.3400e-003	0.3958		1,306.261 2	1,306.261 2	0.0308	0.0294	1,315.776 7
<b>Total</b>	<b>0.6567</b>	<b>3.3622</b>	<b>5.5124</b>	<b>0.0254</b>	<b>1.8898</b>	<b>0.0244</b>	<b>1.9142</b>	<b>0.5108</b>	<b>0.0231</b>	<b>0.5339</b>		<b>2,681.245 0</b>	<b>2,681.245 0</b>	<b>0.0645</b>	<b>0.2318</b>	<b>2,751.918 7</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.6 Architectural Coating - 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	5.6223					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>5.8268</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>

**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	0.1413	0.0714	1.1535	2.8000e-003	0.2967	1.6100e-003	0.2983	0.0787	1.4800e-003	0.0802		284.9932	284.9932	8.4600e-003	7.3600e-003	287.3993
<b>Total</b>	<b>0.1413</b>	<b>0.0714</b>	<b>1.1535</b>	<b>2.8000e-003</b>	<b>0.2967</b>	<b>1.6100e-003</b>	<b>0.2983</b>	<b>0.0787</b>	<b>1.4800e-003</b>	<b>0.0802</b>		<b>284.9932</b>	<b>284.9932</b>	<b>8.4600e-003</b>	<b>7.3600e-003</b>	<b>287.3993</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.6 Architectural Coating - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6223					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>5.8268</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>

**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	0.1413	0.0714	1.1535	2.8000e-003	0.2967	1.6100e-003	0.2983	0.0787	1.4800e-003	0.0802		284.9932	284.9932	8.4600e-003	7.3600e-003	287.3993
<b>Total</b>	<b>0.1413</b>	<b>0.0714</b>	<b>1.1535</b>	<b>2.8000e-003</b>	<b>0.2967</b>	<b>1.6100e-003</b>	<b>0.2983</b>	<b>0.0787</b>	<b>1.4800e-003</b>	<b>0.0802</b>		<b>284.9932</b>	<b>284.9932</b>	<b>8.4600e-003</b>	<b>7.3600e-003</b>	<b>287.3993</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.6 Architectural Coating - 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	5.6223					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>5.8140</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>

**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	0.1314	0.0631	1.0629	2.7100e-003	0.2967	1.5300e-003	0.2982	0.0787	1.4100e-003	0.0801		277.5626	277.5626	7.6200e-003	6.8200e-003	279.7843
<b>Total</b>	<b>0.1314</b>	<b>0.0631</b>	<b>1.0629</b>	<b>2.7100e-003</b>	<b>0.2967</b>	<b>1.5300e-003</b>	<b>0.2982</b>	<b>0.0787</b>	<b>1.4100e-003</b>	<b>0.0801</b>		<b>277.5626</b>	<b>277.5626</b>	<b>7.6200e-003</b>	<b>6.8200e-003</b>	<b>279.7843</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.6 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6223					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>5.8140</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>

**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	0.1314	0.0631	1.0629	2.7100e-003	0.2967	1.5300e-003	0.2982	0.0787	1.4100e-003	0.0801		277.5626	277.5626	7.6200e-003	6.8200e-003	279.7843
<b>Total</b>	<b>0.1314</b>	<b>0.0631</b>	<b>1.0629</b>	<b>2.7100e-003</b>	<b>0.2967</b>	<b>1.5300e-003</b>	<b>0.2982</b>	<b>0.0787</b>	<b>1.4100e-003</b>	<b>0.0801</b>		<b>277.5626</b>	<b>277.5626</b>	<b>7.6200e-003</b>	<b>6.8200e-003</b>	<b>279.7843</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>5.8031</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1228	0.0563	0.9866	2.6200e-003	0.2967	1.4600e-003	0.2981	0.0787	1.3400e-003	0.0800		270.5636	270.5636	6.8800e-003	6.3400e-003	272.6252
<b>Total</b>	<b>0.1228</b>	<b>0.0563</b>	<b>0.9866</b>	<b>2.6200e-003</b>	<b>0.2967</b>	<b>1.4600e-003</b>	<b>0.2981</b>	<b>0.0787</b>	<b>1.3400e-003</b>	<b>0.0800</b>		<b>270.5636</b>	<b>270.5636</b>	<b>6.8800e-003</b>	<b>6.3400e-003</b>	<b>272.6252</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.6 Architectural Coating - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>5.8031</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1228	0.0563	0.9866	2.6200e-003	0.2967	1.4600e-003	0.2981	0.0787	1.3400e-003	0.0800		270.5636	270.5636	6.8800e-003	6.3400e-003	272.6252
<b>Total</b>	<b>0.1228</b>	<b>0.0563</b>	<b>0.9866</b>	<b>2.6200e-003</b>	<b>0.2967</b>	<b>1.4600e-003</b>	<b>0.2981</b>	<b>0.0787</b>	<b>1.3400e-003</b>	<b>0.0800</b>		<b>270.5636</b>	<b>270.5636</b>	<b>6.8800e-003</b>	<b>6.3400e-003</b>	<b>272.6252</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.6 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.7932</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1152	0.0505	0.9210	2.5300e-003	0.2967	1.3900e-003	0.2981	0.0787	1.2800e-003	0.0800		263.9595	263.9595	6.2300e-003	5.9300e-003	265.8823
<b>Total</b>	<b>0.1152</b>	<b>0.0505</b>	<b>0.9210</b>	<b>2.5300e-003</b>	<b>0.2967</b>	<b>1.3900e-003</b>	<b>0.2981</b>	<b>0.0787</b>	<b>1.2800e-003</b>	<b>0.0800</b>		<b>263.9595</b>	<b>263.9595</b>	<b>6.2300e-003</b>	<b>5.9300e-003</b>	<b>265.8823</b>



Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**3.6 Architectural Coating - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.7932</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1152	0.0505	0.9210	2.5300e-003	0.2967	1.3900e-003	0.2981	0.0787	1.2800e-003	0.0800		263.9595	263.9595	6.2300e-003	5.9300e-003	265.8823
<b>Total</b>	<b>0.1152</b>	<b>0.0505</b>	<b>0.9210</b>	<b>2.5300e-003</b>	<b>0.2967</b>	<b>1.3900e-003</b>	<b>0.2981</b>	<b>0.0787</b>	<b>1.2800e-003</b>	<b>0.0800</b>		<b>263.9595</b>	<b>263.9595</b>	<b>6.2300e-003</b>	<b>5.9300e-003</b>	<b>265.8823</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

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	lb/day										lb/day					
Mitigated	4.9571	4.6909	39.3244	0.0818	8.3991	0.0604	8.4595	2.2390	0.0564	2.2954		8,550.2509	8,550.2509	0.5153	0.3751	8,674.8987
Unmitigated	4.9924	4.7638	39.9784	0.0835	8.5705	0.0615	8.6320	2.2847	0.0574	2.3421		8,719.8464	8,719.8464	0.5225	0.3809	8,846.4092

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,584.15	1,584.15	1584.15	4,065,102	3,983,800
Total	1,584.15	1,584.15	1,584.15	4,065,102	3,983,800

**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
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
Other Asphalt Surfaces	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
Single Family Housing	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1237	1.0573	0.4499	6.7500e-003		0.0855	0.0855		0.0855	0.0855		1,349.7532	1,349.7532	0.0259	0.0248	1,357.7741
NaturalGas Unmitigated	0.1237	1.0573	0.4499	6.7500e-003		0.0855	0.0855		0.0855	0.0855		1,349.7532	1,349.7532	0.0259	0.0248	1,357.7741

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**5.2 Energy by Land Use - NaturalGas**

**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					
City Park	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
Other 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
Single Family Housing	11472.9	0.1237	1.0573	0.4499	6.7500e-003		0.0855	0.0855		0.0855	0.0855		1,349.7532	1,349.7532	0.0259	0.0248	1,357.7741
<b>Total</b>		<b>0.1237</b>	<b>1.0573</b>	<b>0.4499</b>	<b>6.7500e-003</b>		<b>0.0855</b>	<b>0.0855</b>		<b>0.0855</b>	<b>0.0855</b>		<b>1,349.7532</b>	<b>1,349.7532</b>	<b>0.0259</b>	<b>0.0248</b>	<b>1,357.7741</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	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
Other 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
Single Family Housing	11.4729	0.1237	1.0573	0.4499	6.7500e-003		0.0855	0.0855		0.0855	0.0855		1,349.7532	1,349.7532	0.0259	0.0248	1,357.7741
<b>Total</b>		<b>0.1237</b>	<b>1.0573</b>	<b>0.4499</b>	<b>6.7500e-003</b>		<b>0.0855</b>	<b>0.0855</b>		<b>0.0855</b>	<b>0.0855</b>		<b>1,349.7532</b>	<b>1,349.7532</b>	<b>0.0259</b>	<b>0.0248</b>	<b>1,357.7741</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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	8.4474	0.1681	14.5896	7.7000e-004		0.0810	0.0810		0.0810	0.0810	0.0000	26.2953	26.2953	0.0252	0.0000	26.9249
Unmitigated	8.4474	0.1681	14.5896	7.7000e-004		0.0810	0.0810		0.0810	0.0810	0.0000	26.2953	26.2953	0.0252	0.0000	26.9249

**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	1.1091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.9003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.4381	0.1681	14.5896	7.7000e-004		0.0810	0.0810		0.0810	0.0810		26.2953	26.2953	0.0252		26.9249
<b>Total</b>	<b>8.4474</b>	<b>0.1681</b>	<b>14.5896</b>	<b>7.7000e-004</b>		<b>0.0810</b>	<b>0.0810</b>		<b>0.0810</b>	<b>0.0810</b>	<b>0.0000</b>	<b>26.2953</b>	<b>26.2953</b>	<b>0.0252</b>	<b>0.0000</b>	<b>26.9249</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.1091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.9003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.4381	0.1681	14.5896	7.7000e-004		0.0810	0.0810		0.0810	0.0810		26.2953	26.2953	0.0252		26.9249
<b>Total</b>	<b>8.4474</b>	<b>0.1681</b>	<b>14.5896</b>	<b>7.7000e-004</b>		<b>0.0810</b>	<b>0.0810</b>		<b>0.0810</b>	<b>0.0810</b>	<b>0.0000</b>	<b>26.2953</b>	<b>26.2953</b>	<b>0.0252</b>	<b>0.0000</b>	<b>26.9249</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**Robla Estates Project  
Sacramento Metropolitan AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	5.03	Acre	5.03	219,106.80	0
City Park	2.06	Acre	2.06	89,733.60	0
Single Family Housing	177.00	Dwelling Unit	13.34	318,600.00	473

**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>	2025		
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

- Project Characteristics -
- Land Use - Acreages adjusted to match site plan.
- Construction Phase - Phase timing based on applicant-provided questionnaire.
- Grading -
- Vehicle Trips - Trip generation rates updated based on project-specific traffic study (DKS 2022).
- Mobile Land Use Mitigation -
- Area Mitigation -
- Water Mitigation - Outdoor water conservation strategy applied to reflect compliance with MWEL0.

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	720.00
tblConstructionPhase	NumDays	370.00	720.00
tblConstructionPhase	NumDays	35.00	30.00
tblConstructionPhase	NumDays	20.00	4.00
tblConstructionPhase	NumDays	10.00	4.00
tblLandUse	LotAcreage	57.47	13.34
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	9.54	8.95
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	8.55	8.95
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	9.44	8.95

**2.0 Emissions Summary**

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Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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	8.4247	38.8884	29.5539	0.0634	19.7939	1.6357	21.4073	10.1388	1.5049	11.6230	0.0000	6,141.3666	6,141.3666	1.9492	0.2676	6,191.3878
2023	8.1696	19.6324	24.6168	0.0576	2.1866	0.7980	2.9845	0.5895	0.7551	1.3446	0.0000	5,737.1142	5,737.1142	0.7121	0.2567	5,831.4205
2024	8.0091	18.4884	24.1354	0.0569	2.1865	0.7009	2.8874	0.5895	0.6630	1.2526	0.0000	5,673.9490	5,673.9490	0.7018	0.2499	5,765.9715
2025	7.8529	17.3303	23.7049	0.0562	2.1865	0.6050	2.7915	0.5895	0.5723	1.1618	0.0000	5,611.8455	5,611.8455	0.6929	0.2433	5,701.6686
<b>Maximum</b>	<b>8.4247</b>	<b>38.8884</b>	<b>29.5539</b>	<b>0.0634</b>	<b>19.7939</b>	<b>1.6357</b>	<b>21.4073</b>	<b>10.1388</b>	<b>1.5049</b>	<b>11.6230</b>	<b>0.0000</b>	<b>6,141.3666</b>	<b>6,141.3666</b>	<b>1.9492</b>	<b>0.2676</b>	<b>6,191.3878</b>



Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.4474	0.1681	14.5896	7.7000e-004		0.0810	0.0810		0.0810	0.0810	0.0000	26.2953	26.2953	0.0252	0.0000	26.9249
Energy	0.1237	1.0573	0.4499	6.7500e-003		0.0855	0.0855		0.0855	0.0855		1,349.7532	1,349.7532	0.0259	0.0248	1,357.7741
Mobile	3.9055	5.5103	39.6050	0.0763	8.5705	0.0616	8.6321	2.2847	0.0575	2.3422		7,973.8394	7,973.8394	0.5885	0.4156	8,112.4131
<b>Total</b>	<b>12.4766</b>	<b>6.7357</b>	<b>54.6445</b>	<b>0.0838</b>	<b>8.5705</b>	<b>0.2280</b>	<b>8.7985</b>	<b>2.2847</b>	<b>0.2239</b>	<b>2.5086</b>	<b>0.0000</b>	<b>9,349.8879</b>	<b>9,349.8879</b>	<b>0.6396</b>	<b>0.4404</b>	<b>9,497.1121</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	8.4474	0.1681	14.5896	7.7000e-004		0.0810	0.0810		0.0810	0.0810	0.0000	26.2953	26.2953	0.0252	0.0000	26.9249
Energy	0.1237	1.0573	0.4499	6.7500e-003		0.0855	0.0855		0.0855	0.0855		1,349.7532	1,349.7532	0.0259	0.0248	1,357.7741
Mobile	3.8687	5.4256	39.0282	0.0748	8.3991	0.0604	8.4595	2.2390	0.0565	2.2955		7,819.3102	7,819.3102	0.5813	0.4094	7,955.8291
<b>Total</b>	<b>12.4398</b>	<b>6.6509</b>	<b>54.0677</b>	<b>0.0823</b>	<b>8.3991</b>	<b>0.2269</b>	<b>8.6260</b>	<b>2.2390</b>	<b>0.2229</b>	<b>2.4619</b>	<b>0.0000</b>	<b>9,195.3588</b>	<b>9,195.3588</b>	<b>0.6324</b>	<b>0.4341</b>	<b>9,340.5282</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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	0.29	1.26	1.06	1.77	2.00	0.49	1.96	2.00	0.46	1.86	0.00	1.65	1.65	1.13	1.43	1.65

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	8/1/2022	8/4/2022	5	4	
2	Grading	Grading	8/5/2022	9/15/2022	5	30	
3	Paving	Paving	9/16/2022	9/21/2022	5	4	
4	Building Construction	Building Construction	9/22/2022	6/25/2025	5	720	
5	Architectural Coating	Architectural Coating	10/6/2022	7/9/2025	5	720	

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

**Acres of Grading (Grading Phase): 90**

**Acres of Paving: 5.03**

**Residential Indoor: 645,165; Residential Outdoor: 215,055; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 13,146 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	193.00	70.00	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	39.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.2 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0404	0.4612	1.1500e-003	0.1369	7.4000e-004	0.1377	0.0363	6.8000e-004	0.0370		116.9605	116.9605	4.4700e-003	3.9000e-003	118.2347
<b>Total</b>	<b>0.0576</b>	<b>0.0404</b>	<b>0.4612</b>	<b>1.1500e-003</b>	<b>0.1369</b>	<b>7.4000e-004</b>	<b>0.1377</b>	<b>0.0363</b>	<b>6.8000e-004</b>	<b>0.0370</b>		<b>116.9605</b>	<b>116.9605</b>	<b>4.4700e-003</b>	<b>3.9000e-003</b>	<b>118.2347</b>



Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.2 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0576	0.0404	0.4612	1.1500e-003	0.1369	7.4000e-004	0.1377	0.0363	6.8000e-004	0.0370		116.9605	116.9605	4.4700e-003	3.9000e-003	118.2347
<b>Total</b>	<b>0.0576</b>	<b>0.0404</b>	<b>0.4612</b>	<b>1.1500e-003</b>	<b>0.1369</b>	<b>7.4000e-004</b>	<b>0.1377</b>	<b>0.0363</b>	<b>6.8000e-004</b>	<b>0.0370</b>		<b>116.9605</b>	<b>116.9605</b>	<b>4.4700e-003</b>	<b>3.9000e-003</b>	<b>118.2347</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.3 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.6349</b>	<b>10.8385</b>	<b>3.6538</b>	<b>1.5041</b>	<b>5.1579</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.0640	0.0449	0.5124	1.2800e-003	0.1521	8.3000e-004	0.1530	0.0404	7.6000e-004	0.0411		129.9561	129.9561	4.9700e-003	4.3300e-003	131.3719
<b>Total</b>	<b>0.0640</b>	<b>0.0449</b>	<b>0.5124</b>	<b>1.2800e-003</b>	<b>0.1521</b>	<b>8.3000e-004</b>	<b>0.1530</b>	<b>0.0404</b>	<b>7.6000e-004</b>	<b>0.0411</b>		<b>129.9561</b>	<b>129.9561</b>	<b>4.9700e-003</b>	<b>4.3300e-003</b>	<b>131.3719</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.3 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.6349</b>	<b>10.8385</b>	<b>3.6538</b>	<b>1.5041</b>	<b>5.1579</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	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	0.0640	0.0449	0.5124	1.2800e-003	0.1521	8.3000e-004	0.1530	0.0404	7.6000e-004	0.0411		129.9561	129.9561	4.9700e-003	4.3300e-003	131.3719
<b>Total</b>	<b>0.0640</b>	<b>0.0449</b>	<b>0.5124</b>	<b>1.2800e-003</b>	<b>0.1521</b>	<b>8.3000e-004</b>	<b>0.1530</b>	<b>0.0404</b>	<b>7.6000e-004</b>	<b>0.0411</b>		<b>129.9561</b>	<b>129.9561</b>	<b>4.9700e-003</b>	<b>4.3300e-003</b>	<b>131.3719</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.4 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	3.2947					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.3975</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>		<b>2,207.660 3</b>	<b>2,207.660 3</b>	<b>0.7140</b>		<b>2,225.510 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	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>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.4 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	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	3.2947					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>4.3975</b>	<b>11.1249</b>	<b>14.5805</b>	<b>0.0228</b>		<b>0.5679</b>	<b>0.5679</b>		<b>0.5225</b>	<b>0.5225</b>	<b>0.0000</b>	<b>2,207.660 3</b>	<b>2,207.660 3</b>	<b>0.7140</b>		<b>2,225.510 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	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>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1489	4.0953	1.1988	0.0138	0.4218	0.0373	0.4591	0.1214	0.0357	0.1571		1,481.1611	1,481.1611	0.0386	0.2173	1,546.8789
Worker	0.6179	0.4336	4.9447	0.0123	1.4682	7.9700e-003	1.4761	0.3894	7.3400e-003	0.3968		1,254.0761	1,254.0761	0.0479	0.0418	1,267.7392
<b>Total</b>	<b>0.7668</b>	<b>4.5289</b>	<b>6.1434</b>	<b>0.0262</b>	<b>1.8899</b>	<b>0.0453</b>	<b>1.9352</b>	<b>0.5108</b>	<b>0.0430</b>	<b>0.5539</b>		<b>2,735.2372</b>	<b>2,735.2372</b>	<b>0.0865</b>	<b>0.2591</b>	<b>2,814.6181</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.1489	4.0953	1.1988	0.0138	0.4218	0.0373	0.4591	0.1214	0.0357	0.1571		1,481.1611	1,481.1611	0.0386	0.2173	1,546.8789
Worker	0.6179	0.4336	4.9447	0.0123	1.4682	7.9700e-003	1.4761	0.3894	7.3400e-003	0.3968		1,254.0761	1,254.0761	0.0479	0.0418	1,267.7392
<b>Total</b>	<b>0.7668</b>	<b>4.5289</b>	<b>6.1434</b>	<b>0.0262</b>	<b>1.8899</b>	<b>0.0453</b>	<b>1.9352</b>	<b>0.5108</b>	<b>0.0430</b>	<b>0.5539</b>		<b>2,735.2372</b>	<b>2,735.2372</b>	<b>0.0865</b>	<b>0.2591</b>	<b>2,814.6181</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0906	3.4836	1.0550	0.0134	0.4217	0.0183	0.4400	0.1214	0.0175	0.1389		1,431.7149	1,431.7149	0.0352	0.2102	1,495.2408
Worker	0.5760	0.3834	4.5810	0.0119	1.4682	7.5700e-003	1.4757	0.3894	6.9700e-003	0.3964		1,221.8408	1,221.8408	0.0434	0.0387	1,234.4552
<b>Total</b>	<b>0.6665</b>	<b>3.8670</b>	<b>5.6360</b>	<b>0.0253</b>	<b>1.8899</b>	<b>0.0259</b>	<b>1.9158</b>	<b>0.5108</b>	<b>0.0245</b>	<b>0.5353</b>		<b>2,653.5557</b>	<b>2,653.5557</b>	<b>0.0786</b>	<b>0.2489</b>	<b>2,729.6960</b>



Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0906	3.4836	1.0550	0.0134	0.4217	0.0183	0.4400	0.1214	0.0175	0.1389		1,431.7149	1,431.7149	0.0352	0.2102	1,495.2408
Worker	0.5760	0.3834	4.5810	0.0119	1.4682	7.5700e-003	1.4757	0.3894	6.9700e-003	0.3964		1,221.8408	1,221.8408	0.0434	0.0387	1,234.4552
<b>Total</b>	<b>0.6665</b>	<b>3.8670</b>	<b>5.6360</b>	<b>0.0253</b>	<b>1.8899</b>	<b>0.0259</b>	<b>1.9158</b>	<b>0.5108</b>	<b>0.0245</b>	<b>0.5353</b>		<b>2,653.5557</b>	<b>2,653.5557</b>	<b>0.0786</b>	<b>0.2489</b>	<b>2,729.6960</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>		<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0865	3.4155	1.0224	0.0131	0.4217	0.0180	0.4397	0.1214	0.0172	0.1386		1,404.6262	1,404.6262	0.0342	0.2067	1,467.0745
Worker	0.5391	0.3413	4.2727	0.0116	1.4682	7.2100e-003	1.4754	0.3894	6.6400e-003	0.3961		1,191.4221	1,191.4221	0.0394	0.0360	1,203.1263
<b>Total</b>	<b>0.6256</b>	<b>3.7568</b>	<b>5.2951</b>	<b>0.0246</b>	<b>1.8898</b>	<b>0.0252</b>	<b>1.9151</b>	<b>0.5108</b>	<b>0.0239</b>	<b>0.5347</b>		<b>2,596.0483</b>	<b>2,596.0483</b>	<b>0.0736</b>	<b>0.2427</b>	<b>2,670.2008</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.5 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
<b>Total</b>	<b>1.4716</b>	<b>13.4438</b>	<b>16.1668</b>	<b>0.0270</b>		<b>0.6133</b>	<b>0.6133</b>		<b>0.5769</b>	<b>0.5769</b>	<b>0.0000</b>	<b>2,555.6989</b>	<b>2,555.6989</b>	<b>0.6044</b>		<b>2,570.8077</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0865	3.4155	1.0224	0.0131	0.4217	0.0180	0.4397	0.1214	0.0172	0.1386		1,404.6262	1,404.6262	0.0342	0.2067	1,467.0745
Worker	0.5391	0.3413	4.2727	0.0116	1.4682	7.2100e-003	1.4754	0.3894	6.6400e-003	0.3961		1,191.4221	1,191.4221	0.0394	0.0360	1,203.1263
<b>Total</b>	<b>0.6256</b>	<b>3.7568</b>	<b>5.2951</b>	<b>0.0246</b>	<b>1.8898</b>	<b>0.0252</b>	<b>1.9151</b>	<b>0.5108</b>	<b>0.0239</b>	<b>0.5347</b>		<b>2,596.0483</b>	<b>2,596.0483</b>	<b>0.0736</b>	<b>0.2427</b>	<b>2,670.2008</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.5 Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>		<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0832	3.3470	0.9984	0.0128	0.4216	0.0177	0.4393	0.1214	0.0169	0.1382		1,376.299 0	1,376.299 0	0.0335	0.2029	1,437.593 9
Worker	0.5068	0.3063	4.0037	0.0112	1.4682	6.8900e-003	1.4750	0.3894	6.3400e-003	0.3958		1,162.678 6	1,162.678 6	0.0359	0.0336	1,173.593 7
<b>Total</b>	<b>0.5900</b>	<b>3.6532</b>	<b>5.0021</b>	<b>0.0240</b>	<b>1.8898</b>	<b>0.0245</b>	<b>1.9143</b>	<b>0.5108</b>	<b>0.0232</b>	<b>0.5340</b>		<b>2,538.977 7</b>	<b>2,538.977 7</b>	<b>0.0694</b>	<b>0.2365</b>	<b>2,611.187 6</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.5 Building Construction - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
<b>Total</b>	<b>1.3674</b>	<b>12.4697</b>	<b>16.0847</b>	<b>0.0270</b>		<b>0.5276</b>	<b>0.5276</b>		<b>0.4963</b>	<b>0.4963</b>	<b>0.0000</b>	<b>2,556.474 4</b>	<b>2,556.474 4</b>	<b>0.6010</b>		<b>2,571.498 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0832	3.3470	0.9984	0.0128	0.4216	0.0177	0.4393	0.1214	0.0169	0.1382		1,376.299 0	1,376.299 0	0.0335	0.2029	1,437.593 9
Worker	0.5068	0.3063	4.0037	0.0112	1.4682	6.8900e-003	1.4750	0.3894	6.3400e-003	0.3958		1,162.678 6	1,162.678 6	0.0359	0.0336	1,173.593 7
<b>Total</b>	<b>0.5900</b>	<b>3.6532</b>	<b>5.0021</b>	<b>0.0240</b>	<b>1.8898</b>	<b>0.0245</b>	<b>1.9143</b>	<b>0.5108</b>	<b>0.0232</b>	<b>0.5340</b>		<b>2,538.977 7</b>	<b>2,538.977 7</b>	<b>0.0694</b>	<b>0.2365</b>	<b>2,611.187 6</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.6 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	5.6223					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>5.8268</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>

**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	0.1249	0.0876	0.9992	2.4900e-003	0.2967	1.6100e-003	0.2983	0.0787	1.4800e-003	0.0802		253.4143	253.4143	9.6800e-003	8.4500e-003	256.1753
<b>Total</b>	<b>0.1249</b>	<b>0.0876</b>	<b>0.9992</b>	<b>2.4900e-003</b>	<b>0.2967</b>	<b>1.6100e-003</b>	<b>0.2983</b>	<b>0.0787</b>	<b>1.4800e-003</b>	<b>0.0802</b>		<b>253.4143</b>	<b>253.4143</b>	<b>9.6800e-003</b>	<b>8.4500e-003</b>	<b>256.1753</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.6 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	lb/day										lb/day					
Archit. Coating	5.6223					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>5.8268</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>

**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	0.1249	0.0876	0.9992	2.4900e-003	0.2967	1.6100e-003	0.2983	0.0787	1.4800e-003	0.0802		253.4143	253.4143	9.6800e-003	8.4500e-003	256.1753
<b>Total</b>	<b>0.1249</b>	<b>0.0876</b>	<b>0.9992</b>	<b>2.4900e-003</b>	<b>0.2967</b>	<b>1.6100e-003</b>	<b>0.2983</b>	<b>0.0787</b>	<b>1.4800e-003</b>	<b>0.0802</b>		<b>253.4143</b>	<b>253.4143</b>	<b>9.6800e-003</b>	<b>8.4500e-003</b>	<b>256.1753</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.6 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	5.6223					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>5.8140</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>

**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	0.1164	0.0775	0.9257	2.4100e-003	0.2967	1.5300e-003	0.2982	0.0787	1.4100e-003	0.0801		246.9005	246.9005	8.7700e-003	7.8200e-003	249.4495
<b>Total</b>	<b>0.1164</b>	<b>0.0775</b>	<b>0.9257</b>	<b>2.4100e-003</b>	<b>0.2967</b>	<b>1.5300e-003</b>	<b>0.2982</b>	<b>0.0787</b>	<b>1.4100e-003</b>	<b>0.0801</b>		<b>246.9005</b>	<b>246.9005</b>	<b>8.7700e-003</b>	<b>7.8200e-003</b>	<b>249.4495</b>



Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.6 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	lb/day										lb/day					
Archit. Coating	5.6223					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>5.8140</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>

**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	0.1164	0.0775	0.9257	2.4100e-003	0.2967	1.5300e-003	0.2982	0.0787	1.4100e-003	0.0801		246.9005	246.9005	8.7700e-003	7.8200e-003	249.4495
<b>Total</b>	<b>0.1164</b>	<b>0.0775</b>	<b>0.9257</b>	<b>2.4100e-003</b>	<b>0.2967</b>	<b>1.5300e-003</b>	<b>0.2982</b>	<b>0.0787</b>	<b>1.4100e-003</b>	<b>0.0801</b>		<b>246.9005</b>	<b>246.9005</b>	<b>8.7700e-003</b>	<b>7.8200e-003</b>	<b>249.4495</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>5.8031</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1089	0.0690	0.8634	2.3300e-003	0.2967	1.4600e-003	0.2981	0.0787	1.3400e-003	0.0800		240.7537	240.7537	7.9700e-003	7.2700e-003	243.1188
<b>Total</b>	<b>0.1089</b>	<b>0.0690</b>	<b>0.8634</b>	<b>2.3300e-003</b>	<b>0.2967</b>	<b>1.4600e-003</b>	<b>0.2981</b>	<b>0.0787</b>	<b>1.3400e-003</b>	<b>0.0800</b>		<b>240.7537</b>	<b>240.7537</b>	<b>7.9700e-003</b>	<b>7.2700e-003</b>	<b>243.1188</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.6 Architectural Coating - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>5.8031</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1089	0.0690	0.8634	2.3300e-003	0.2967	1.4600e-003	0.2981	0.0787	1.3400e-003	0.0800		240.7537	240.7537	7.9700e-003	7.2700e-003	243.1188
<b>Total</b>	<b>0.1089</b>	<b>0.0690</b>	<b>0.8634</b>	<b>2.3300e-003</b>	<b>0.2967</b>	<b>1.4600e-003</b>	<b>0.2981</b>	<b>0.0787</b>	<b>1.3400e-003</b>	<b>0.0800</b>		<b>240.7537</b>	<b>240.7537</b>	<b>7.9700e-003</b>	<b>7.2700e-003</b>	<b>243.1188</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.6 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.7932</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1024	0.0619	0.8090	2.2600e-003	0.2967	1.3900e-003	0.2981	0.0787	1.2800e-003	0.0800		234.9454	234.9454	7.2500e-003	6.7900e-003	237.1511
<b>Total</b>	<b>0.1024</b>	<b>0.0619</b>	<b>0.8090</b>	<b>2.2600e-003</b>	<b>0.2967</b>	<b>1.3900e-003</b>	<b>0.2981</b>	<b>0.0787</b>	<b>1.2800e-003</b>	<b>0.0800</b>		<b>234.9454</b>	<b>234.9454</b>	<b>7.2500e-003</b>	<b>6.7900e-003</b>	<b>237.1511</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**3.6 Architectural Coating - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>5.7932</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1024	0.0619	0.8090	2.2600e-003	0.2967	1.3900e-003	0.2981	0.0787	1.2800e-003	0.0800		234.9454	234.9454	7.2500e-003	6.7900e-003	237.1511
<b>Total</b>	<b>0.1024</b>	<b>0.0619</b>	<b>0.8090</b>	<b>2.2600e-003</b>	<b>0.2967</b>	<b>1.3900e-003</b>	<b>0.2981</b>	<b>0.0787</b>	<b>1.2800e-003</b>	<b>0.0800</b>		<b>234.9454</b>	<b>234.9454</b>	<b>7.2500e-003</b>	<b>6.7900e-003</b>	<b>237.1511</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

**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**

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	lb/day										lb/day					
Mitigated	3.8687	5.4256	39.0282	0.0748	8.3991	0.0604	8.4595	2.2390	0.0565	2.2955		7,819,310 2	7,819,310 2	0.5813	0.4094	7,955,829 1
Unmitigated	3.9055	5.5103	39.6050	0.0763	8.5705	0.0616	8.6321	2.2847	0.0575	2.3422		7,973,839 4	7,973,839 4	0.5885	0.4156	8,112,413 1

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	1,584.15	1,584.15	1584.15	4,065,102	3,983,800
Total	1,584.15	1,584.15	1,584.15	4,065,102	3,983,800

**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
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Other Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Single Family Housing	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3

Robla Estates Project - Sacramento Metropolitan AQMD Air District, Winter

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
Other Asphalt Surfaces	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207
Single Family Housing	0.546433	0.056674	0.183423	0.128799	0.024661	0.005883	0.013276	0.009437	0.000898	0.000581	0.025768	0.000959	0.003207

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1237	1.0573	0.4499	6.7500e-003		0.0855	0.0855		0.0855	0.0855		1,349.7532	1,349.7532	0.0259	0.0248	1,357.7741
NaturalGas Unmitigated	0.1237	1.0573	0.4499	6.7500e-003		0.0855	0.0855		0.0855	0.0855		1,349.7532	1,349.7532	0.0259	0.0248	1,357.7741

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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 - 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					
City Park	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
Other 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
Single Family Housing	11472.9	0.1237	1.0573	0.4499	6.7500e-003		0.0855	0.0855		0.0855	0.0855		1,349.7532	1,349.7532	0.0259	0.0248	1,357.7741
<b>Total</b>		<b>0.1237</b>	<b>1.0573</b>	<b>0.4499</b>	<b>6.7500e-003</b>		<b>0.0855</b>	<b>0.0855</b>		<b>0.0855</b>	<b>0.0855</b>		<b>1,349.7532</b>	<b>1,349.7532</b>	<b>0.0259</b>	<b>0.0248</b>	<b>1,357.7741</b>



Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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 - 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					
City Park	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
Other 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
Single Family Housing	11.4729	0.1237	1.0573	0.4499	6.7500e-003		0.0855	0.0855		0.0855	0.0855		1,349.7532	1,349.7532	0.0259	0.0248	1,357.7741
<b>Total</b>		<b>0.1237</b>	<b>1.0573</b>	<b>0.4499</b>	<b>6.7500e-003</b>		<b>0.0855</b>	<b>0.0855</b>		<b>0.0855</b>	<b>0.0855</b>		<b>1,349.7532</b>	<b>1,349.7532</b>	<b>0.0259</b>	<b>0.0248</b>	<b>1,357.7741</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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	8.4474	0.1681	14.5896	7.7000e-004		0.0810	0.0810		0.0810	0.0810	0.0000	26.2953	26.2953	0.0252	0.0000	26.9249
Unmitigated	8.4474	0.1681	14.5896	7.7000e-004		0.0810	0.0810		0.0810	0.0810	0.0000	26.2953	26.2953	0.0252	0.0000	26.9249

**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	1.1091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.9003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.4381	0.1681	14.5896	7.7000e-004		0.0810	0.0810		0.0810	0.0810		26.2953	26.2953	0.0252		26.9249
<b>Total</b>	<b>8.4474</b>	<b>0.1681</b>	<b>14.5896</b>	<b>7.7000e-004</b>		<b>0.0810</b>	<b>0.0810</b>		<b>0.0810</b>	<b>0.0810</b>	<b>0.0000</b>	<b>26.2953</b>	<b>26.2953</b>	<b>0.0252</b>	<b>0.0000</b>	<b>26.9249</b>

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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	1.1091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.9003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.4381	0.1681	14.5896	7.7000e-004		0.0810	0.0810		0.0810	0.0810		26.2953	26.2953	0.0252		26.9249
<b>Total</b>	<b>8.4474</b>	<b>0.1681</b>	<b>14.5896</b>	<b>7.7000e-004</b>		<b>0.0810</b>	<b>0.0810</b>		<b>0.0810</b>	<b>0.0810</b>	<b>0.0000</b>	<b>26.2953</b>	<b>26.2953</b>	<b>0.0252</b>	<b>0.0000</b>	<b>26.9249</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Robla Estates Project - Sacramento Metropolitan AQMD Air District, 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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### Robla Estates Project

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

#### Sacramento Metropolitan AQMD Air District, Mitigation Report

#### Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

#### OFFROAD Equipment Mitigation

**Robla Estates Project**

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

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

### Robla Estates Project

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

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	6.65600E-002	4.50610E-001	6.51810E-001	1.07000E-003	2.32200E-002	2.32200E-002	0.00000E+000	9.19171E+001	9.19171E+001	5.33000E-003	0.00000E+000	9.20504E+001
Cranes	1.06990E-001	1.14213E+000	5.67420E-001	1.82000E-003	4.77300E-002	4.39100E-002	0.00000E+000	1.59689E+002	1.59689E+002	5.16500E-002	0.00000E+000	1.60981E+002
Excavators	6.07000E-003	5.33100E-002	9.76500E-002	1.50000E-004	2.58000E-003	2.37000E-003	0.00000E+000	1.36082E+001	1.36082E+001	4.40000E-003	0.00000E+000	1.37182E+001
Forklifts	1.05700E-001	9.90130E-001	1.23310E+000	1.65000E-003	5.90100E-002	5.42900E-002	0.00000E+000	1.45035E+002	1.45035E+002	4.69100E-002	0.00000E+000	1.46207E+002
Generator Sets	1.05770E-001	9.42690E-001	1.31987E+000	2.37000E-003	4.24800E-002	4.24800E-002	0.00000E+000	2.03475E+002	2.03475E+002	8.51000E-003	0.00000E+000	2.03687E+002
Graders	6.22000E-003	7.88600E-002	2.58300E-002	1.00000E-004	2.51000E-003	2.31000E-003	0.00000E+000	8.72638E+000	8.72638E+000	2.82000E-003	0.00000E+000	8.79693E+000
Pavers	8.30000E-004	8.40000E-003	1.15400E-002	2.00000E-005	4.00000E-004	3.70000E-004	0.00000E+000	1.65201E+000	1.65201E+000	5.30000E-004	0.00000E+000	1.66537E+000
Paving Equipment	7.10000E-004	6.95000E-003	1.01800E-002	2.00000E-005	3.40000E-004	3.10000E-004	0.00000E+000	1.43142E+000	1.43142E+000	4.60000E-004	0.00000E+000	1.44300E+000
Rollers	6.70000E-004	6.90000E-003	7.44000E-003	1.00000E-005	4.00000E-004	3.70000E-004	0.00000E+000	9.22080E-001	9.22080E-001	3.00000E-004	0.00000E+000	9.29530E-001
Rubber Tired Dozers	1.75800E-002	1.84670E-001	7.52200E-002	1.80000E-004	8.76000E-003	8.06000E-003	0.00000E+000	1.57558E+001	1.57558E+001	5.10000E-003	0.00000E+000	1.58831E+001
Scrapers	2.45800E-002	2.68300E-001	1.91270E-001	4.60000E-004	1.04700E-002	9.64000E-003	0.00000E+000	4.00149E+001	4.00149E+001	1.29400E-002	0.00000E+000	4.03384E+001
Tractors/Loaders/Backhoes	1.44820E-001	1.46488E+000	2.19546E+000	3.06000E-003	6.96100E-002	6.40400E-002	0.00000E+000	2.69025E+002	2.69025E+002	8.70100E-002	0.00000E+000	2.71201E+002
Welders	8.77800E-002	5.02760E-001	6.01180E-001	9.20000E-004	1.82600E-002	1.82600E-002	0.00000E+000	6.77594E+001	6.77594E+001	7.12000E-003	0.00000E+000	6.79375E+001

### Robla Estates Project

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

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	6.65600E-002	4.50610E-001	6.51810E-001	1.07000E-003	2.32200E-002	2.32200E-002	0.00000E+000	9.19170E+001	9.19170E+001	5.33000E-003	0.00000E+000	9.20503E+001
Cranes	1.06990E-001	1.14213E+000	5.67420E-001	1.82000E-003	4.77300E-002	4.39100E-002	0.00000E+000	1.59689E+002	1.59689E+002	5.16500E-002	0.00000E+000	1.60980E+002
Excavators	6.07000E-003	5.33100E-002	9.76500E-002	1.50000E-004	2.58000E-003	2.37000E-003	0.00000E+000	1.36082E+001	1.36082E+001	4.40000E-003	0.00000E+000	1.37182E+001
Forklifts	1.05700E-001	9.90130E-001	1.23310E+000	1.65000E-003	5.90100E-002	5.42900E-002	0.00000E+000	1.45034E+002	1.45034E+002	4.69100E-002	0.00000E+000	1.46207E+002
Generator Sets	1.05770E-001	9.42690E-001	1.31987E+000	2.37000E-003	4.24800E-002	4.24800E-002	0.00000E+000	2.03474E+002	2.03474E+002	8.51000E-003	0.00000E+000	2.03687E+002
Graders	6.22000E-003	7.88600E-002	2.58300E-002	1.00000E-004	2.51000E-003	2.31000E-003	0.00000E+000	8.72637E+000	8.72637E+000	2.82000E-003	0.00000E+000	8.79692E+000
Pavers	8.30000E-004	8.40000E-003	1.15400E-002	2.00000E-005	4.00000E-004	3.70000E-004	0.00000E+000	1.65201E+000	1.65201E+000	5.30000E-004	0.00000E+000	1.66537E+000
Paving Equipment	7.10000E-004	6.95000E-003	1.01800E-002	2.00000E-005	3.40000E-004	3.10000E-004	0.00000E+000	1.43142E+000	1.43142E+000	4.60000E-004	0.00000E+000	1.44299E+000
Rollers	6.70000E-004	6.90000E-003	7.44000E-003	1.00000E-005	4.00000E-004	3.70000E-004	0.00000E+000	9.22080E-001	9.22080E-001	3.00000E-004	0.00000E+000	9.29530E-001
Rubber Tired Dozers	1.75800E-002	1.84670E-001	7.52200E-002	1.80000E-004	8.76000E-003	8.06000E-003	0.00000E+000	1.57557E+001	1.57557E+001	5.10000E-003	0.00000E+000	1.58831E+001
Scrapers	2.45800E-002	2.68300E-001	1.91270E-001	4.60000E-004	1.04700E-002	9.64000E-003	0.00000E+000	4.00148E+001	4.00148E+001	1.29400E-002	0.00000E+000	4.03383E+001
Tractors/Loaders/Balckhoes	1.44820E-001	1.46488E+000	2.19546E+000	3.06000E-003	6.96100E-002	6.40400E-002	0.00000E+000	2.69025E+002	2.69025E+002	8.70100E-002	0.00000E+000	2.71200E+002
Welders	8.77800E-002	5.02760E-001	6.01180E-001	9.20000E-004	1.82600E-002	1.82600E-002	0.00000E+000	6.77594E+001	6.77594E+001	7.12000E-003	0.00000E+000	6.79374E+001



**Robla Estates Project**

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

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.08794E-006	1.08794E-006	0.00000E+000	0.00000E+000	1.19500E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18981E-006	1.18981E-006	0.00000E+000	0.00000E+000	1.18027E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.46970E-006	1.46970E-006	0.00000E+000	0.00000E+000	1.45792E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24108E-006	1.24108E-006	0.00000E+000	0.00000E+000	1.16273E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17951E-006	1.17951E-006	0.00000E+000	0.00000E+000	1.17828E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14595E-006	1.14595E-006	0.00000E+000	0.00000E+000	1.13676E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	6.93001E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.26938E-006	1.26938E-006	0.00000E+000	0.00000E+000	6.29598E-007
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24954E-006	1.24954E-006	0.00000E+000	0.00000E+000	1.23951E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18948E-006	1.18948E-006	0.00000E+000	0.00000E+000	1.21681E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18065E-006	1.18065E-006	0.00000E+000	0.00000E+000	1.17755E-006

**Fugitive Dust Mitigation**

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
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**Robla Estates Project**

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

No	Replace Ground Cover of Area Disturbed	PM10 Reduction		PM2.5 Reduction			
No	Water Exposed Area	PM10 Reduction		PM2.5 Reduction		Frequency (per day)	
No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.10	0.03	0.10	0.03	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.66	0.18	0.66	0.18	0.00	0.00
Grading	Fugitive Dust	0.14	0.05	0.14	0.05	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.04	0.02	0.04	0.02	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

**Operational Percent Reduction Summary**

### Robla Estates Project

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

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.87	1.55	1.53	1.98	1.79	1.72	0.00	1.94	1.94	1.29	1.53	1.93
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.44	5.84	0.65	0.22	5.05
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

#### Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.18	0.45		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

**Robla Estates Project**

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

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.02			
No	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.02			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00			2.00

**Robla Estates Project**

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

No	Commute	Provide Ride Sharing Program	10.00		
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.02		

**Area Mitigation**

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

**Energy Mitigation Measures**

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

**Robla Estates Project**

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

No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

**Water Mitigation Measures**

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	0.00	20.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

**Solid Waste Mitigation**

### Robla Estates Project

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

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