

**ATTACHMENT 1**  
**Updated CalEEMod Outputs**  
**September 2022**

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**Raley Boulevard and Diesel Drive Warehouses Project  
Sacramento County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	42.00	1000sqft	0.96	42,000.00	0
Unrefrigerated Warehouse-No Rail	25.50	1000sqft	0.59	25,500.00	0
Other Non-Asphalt Surfaces	2.90	Acre	2.90	126,324.00	0
Parking Lot	57.00	Space	0.51	22,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2023
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use -

Construction Phase - Project scheduled modified to reflect Project specifics

Off-road Equipment - Modified to reflect the conservative Project specifics

Off-road Equipment - Modified to reflect the conservative Project specifics

Off-road Equipment - Modified to reflect the conservative Project specifics

Off-road Equipment - Modified to reflect the conservative Project specifics

Trips and VMT -

Grading - Applicant Provided Information

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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Architectural Coating - Applicant Provided Information

Area Coating - Applicant Provided Information

Energy Use - no natural gas use

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	101,250.00	0.00
tblAreaCoating	Area_Nonresidential_Interior	101250	0
tblAreaCoating	Area_Parking	8947	1368
tblConstructionPhase	NumDays	18.00	70.00
tblConstructionPhase	NumDays	230.00	80.00
tblConstructionPhase	NumDays	8.00	50.00
tblConstructionPhase	NumDays	18.00	25.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblEnergyUse	T24NG	0.49	0.00
tblFleetMix	HHD	9.3060e-003	0.00
tblFleetMix	HHD	9.3060e-003	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	6.0930e-003	0.00

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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tblFleetMix	LHD2	6.0930e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.5070e-003	0.00
tblFleetMix	MH	3.5070e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	9.4200e-004	0.00
tblFleetMix	OBUS	9.4200e-004	0.00
tblFleetMix	SBUS	1.0060e-003	0.00
tblFleetMix	SBUS	1.0060e-003	0.00
tblFleetMix	UBUS	5.4800e-004	0.00
tblFleetMix	UBUS	5.4800e-004	0.00
tblGrading	AcresOfGrading	250.00	15.00
tblGrading	MaterialExported	0.00	13,321.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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tblOffRoadEquipment	UsageHours	6.00	8.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	299.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	2.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	500.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00

**2.0 Emissions Summary**

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Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-1-2023	5-31-2023	2.3437	2.3437
2	6-1-2023	8-31-2023	0.9368	0.9368
3	9-1-2023	9-30-2023	0.2424	0.2424
		Highest	2.3437	2.3437

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2816	1.0000e-005	1.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1600e-003	3.1600e-003	1.0000e-005	0.0000	3.3700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	36.2596	36.2596	3.3400e-003	4.1000e-004	36.4639
Mobile	0.0000	0.0000	0.0000	0.0000	0.1084	0.0000	0.1084	0.0266	0.0000	0.0266	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1227	0.3429	0.3128	5.9000e-004		0.0181	0.0181		0.0181	0.0181	0.0000	56.9292	56.9292	7.9800e-003	0.0000	57.1287
Waste						0.0000	0.0000		0.0000	0.0000	12.8798	0.0000	12.8798	0.7612	0.0000	31.9091
Water						0.0000	0.0000		0.0000	0.0000	5.5226	12.6289	18.1515	0.0202	0.0122	22.2769
<b>Total</b>	<b>0.4042</b>	<b>0.3429</b>	<b>0.3144</b>	<b>5.9000e-004</b>	<b>0.1084</b>	<b>0.0181</b>	<b>0.1265</b>	<b>0.0266</b>	<b>0.0181</b>	<b>0.0447</b>	<b>18.4024</b>	<b>105.8209</b>	<b>124.2233</b>	<b>0.7927</b>	<b>0.0126</b>	<b>147.7819</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2816	1.0000e-005	1.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1600e-003	3.1600e-003	1.0000e-005	0.0000	3.3700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	36.2596	36.2596	3.3400e-003	4.1000e-004	36.4639
Mobile	0.0000	0.0000	0.0000	0.0000	0.1084	0.0000	0.1084	0.0266	0.0000	0.0266	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.1227	0.3429	0.3128	5.9000e-004		0.0181	0.0181		0.0181	0.0181	0.0000	56.9292	56.9292	7.9800e-003	0.0000	57.1287
Waste						0.0000	0.0000		0.0000	0.0000	12.8798	0.0000	12.8798	0.7612	0.0000	31.9091
Water						0.0000	0.0000		0.0000	0.0000	5.5226	12.6289	18.1515	0.0202	0.0122	22.2769
<b>Total</b>	<b>0.4042</b>	<b>0.3429</b>	<b>0.3144</b>	<b>5.9000e-004</b>	<b>0.1084</b>	<b>0.0181</b>	<b>0.1265</b>	<b>0.0266</b>	<b>0.0181</b>	<b>0.0447</b>	<b>18.4024</b>	<b>105.8209</b>	<b>124.2233</b>	<b>0.7927</b>	<b>0.0126</b>	<b>147.7819</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Sewer/Foundations	Grading	3/1/2023	4/19/2023	7	50	
2	Building Construction	Building Construction	4/20/2023	7/8/2023	7	80	



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3	Paving	Paving	7/9/2023	8/2/2023	7	25
4	Landscaping/Architectural Coating	Architectural Coating	8/3/2023	10/11/2023	7	70

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

**Acres of Grading (Grading Phase): 15**

**Acres of Paving: 3.41**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 33,750; Striped Parking Area: 8,947 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Sewer/Foundations	Crawler Tractors	1	8.00	212	0.43
Sewer/Foundations	Excavators	2	8.00	158	0.38
Sewer/Foundations	Graders	1	8.00	187	0.41
Sewer/Foundations	Off-Highway Tractors	1	8.00	124	0.44
Sewer/Foundations	Other Construction Equipment	1	8.00	172	0.42
Sewer/Foundations	Plate Compactors	1	8.00	8	0.43
Sewer/Foundations	Rubber Tired Dozers	0	8.00	247	0.40
Sewer/Foundations	Rubber Tired Loaders	1	8.00	203	0.36
Sewer/Foundations	Scrapers	4	8.00	367	0.48
Sewer/Foundations	Skid Steer Loaders	1	8.00	65	0.37
Sewer/Foundations	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Crawler Tractors	1	8.00	212	0.43
Building Construction	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Tractors	1	8.00	124	0.44
Building Construction	Other Construction Equipment	1	8.00	172	0.42

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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Building Construction	Plate Compactors	1	8.00	8	0.43
Building Construction	Rubber Tired Loaders	1	8.00	203	0.36
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Landscaping/Architectural Coating	Air Compressors	1	8.00	78	0.48
Landscaping/Architectural Coating	Off-Highway Tractors	1	8.00	124	0.44
Landscaping/Architectural Coating	Other Construction Equipment	1	8.00	172	0.42
Landscaping/Architectural Coating	Plate Compactors	1	8.00	8	0.43
Landscaping/Architectural Coating	Sweepers/Scrubbers	1	8.00	64	0.46
Landscaping/Architectural Coating	Tractors/Loaders/Backhoes	2	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Sewer/Foundations	15	38.00	0.00	1,665.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	91.00	36.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping/Architectural Coating	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**3.2 Sewer/Foundations - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.3300e-003	0.0000	9.3300e-003	1.0700e-003	0.0000	1.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1393	1.4501	1.2399	2.7900e-003		0.0585	0.0585		0.0539	0.0539	0.0000	244.4170	244.4170	0.0789	0.0000	246.3890
<b>Total</b>	<b>0.1393</b>	<b>1.4501</b>	<b>1.2399</b>	<b>2.7900e-003</b>	<b>9.3300e-003</b>	<b>0.0585</b>	<b>0.0679</b>	<b>1.0700e-003</b>	<b>0.0539</b>	<b>0.0549</b>	<b>0.0000</b>	<b>244.4170</b>	<b>244.4170</b>	<b>0.0789</b>	<b>0.0000</b>	<b>246.3890</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2100e-003	0.1325	0.0266	5.2000e-004	0.0141	9.7000e-004	0.0151	3.8700e-003	9.2000e-004	4.7900e-003	0.0000	51.7236	51.7236	2.0600e-003	8.2000e-003	54.2191
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.6800e-003	0.0221	6.0000e-005	6.9800e-003	4.0000e-005	7.0100e-003	1.8600e-003	3.0000e-005	1.8900e-003	0.0000	5.5279	5.5279	1.8000e-004	1.6000e-004	5.5800
<b>Total</b>	<b>4.9300e-003</b>	<b>0.1342</b>	<b>0.0487</b>	<b>5.8000e-004</b>	<b>0.0211</b>	<b>1.0100e-003</b>	<b>0.0221</b>	<b>5.7300e-003</b>	<b>9.5000e-004</b>	<b>6.6800e-003</b>	<b>0.0000</b>	<b>57.2516</b>	<b>57.2516</b>	<b>2.2400e-003</b>	<b>8.3600e-003</b>	<b>59.7991</b>

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**3.2 Sewer/Foundations - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.3300e-003	0.0000	9.3300e-003	1.0700e-003	0.0000	1.0700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1393	1.4501	1.2399	2.7900e-003		0.0585	0.0585		0.0539	0.0539	0.0000	244.4168	244.4168	0.0789	0.0000	246.3887
<b>Total</b>	<b>0.1393</b>	<b>1.4501</b>	<b>1.2399</b>	<b>2.7900e-003</b>	<b>9.3300e-003</b>	<b>0.0585</b>	<b>0.0679</b>	<b>1.0700e-003</b>	<b>0.0539</b>	<b>0.0549</b>	<b>0.0000</b>	<b>244.4168</b>	<b>244.4168</b>	<b>0.0789</b>	<b>0.0000</b>	<b>246.3887</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2100e-003	0.1325	0.0266	5.2000e-004	0.0141	9.7000e-004	0.0151	3.8700e-003	9.2000e-004	4.7900e-003	0.0000	51.7236	51.7236	2.0600e-003	8.2000e-003	54.2191
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7200e-003	1.6800e-003	0.0221	6.0000e-005	6.9800e-003	4.0000e-005	7.0100e-003	1.8600e-003	3.0000e-005	1.8900e-003	0.0000	5.5279	5.5279	1.8000e-004	1.6000e-004	5.5800
<b>Total</b>	<b>4.9300e-003</b>	<b>0.1342</b>	<b>0.0487</b>	<b>5.8000e-004</b>	<b>0.0211</b>	<b>1.0100e-003</b>	<b>0.0221</b>	<b>5.7300e-003</b>	<b>9.5000e-004</b>	<b>6.6800e-003</b>	<b>0.0000</b>	<b>57.2516</b>	<b>57.2516</b>	<b>2.2400e-003</b>	<b>8.3600e-003</b>	<b>59.7991</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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**3.3 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	0.1026	0.9838	1.0432	2.0400e-003		0.0427	0.0427		0.0395	0.0395	0.0000	176.9601	176.9601	0.0553	0.0000	178.3437
<b>Total</b>	<b>0.1026</b>	<b>0.9838</b>	<b>1.0432</b>	<b>2.0400e-003</b>		<b>0.0427</b>	<b>0.0427</b>		<b>0.0395</b>	<b>0.0395</b>	<b>0.0000</b>	<b>176.9601</b>	<b>176.9601</b>	<b>0.0553</b>	<b>0.0000</b>	<b>178.3437</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8800e-003	0.0702	0.0212	2.7000e-004	8.4300e-003	3.7000e-004	8.8000e-003	2.4400e-003	3.6000e-004	2.7900e-003	0.0000	26.7076	26.7076	6.6000e-004	3.9200e-003	27.8919
Worker	0.0104	6.4500e-003	0.0846	2.3000e-004	0.0267	1.4000e-004	0.0269	7.1100e-003	1.3000e-004	7.2400e-003	0.0000	21.1808	21.1808	6.8000e-004	6.1000e-004	21.3804
<b>Total</b>	<b>0.0123</b>	<b>0.0766</b>	<b>0.1058</b>	<b>5.0000e-004</b>	<b>0.0352</b>	<b>5.1000e-004</b>	<b>0.0357</b>	<b>9.5500e-003</b>	<b>4.9000e-004</b>	<b>0.0100</b>	<b>0.0000</b>	<b>47.8883</b>	<b>47.8883</b>	<b>1.3400e-003</b>	<b>4.5300e-003</b>	<b>49.2722</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**3.3 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1026	0.9838	1.0432	2.0400e-003		0.0427	0.0427		0.0395	0.0395	0.0000	176.9598	176.9598	0.0553	0.0000	178.3434
<b>Total</b>	<b>0.1026</b>	<b>0.9838</b>	<b>1.0432</b>	<b>2.0400e-003</b>		<b>0.0427</b>	<b>0.0427</b>		<b>0.0395</b>	<b>0.0395</b>	<b>0.0000</b>	<b>176.9598</b>	<b>176.9598</b>	<b>0.0553</b>	<b>0.0000</b>	<b>178.3434</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8800e-003	0.0702	0.0212	2.7000e-004	8.4300e-003	3.7000e-004	8.8000e-003	2.4400e-003	3.6000e-004	2.7900e-003	0.0000	26.7076	26.7076	6.6000e-004	3.9200e-003	27.8919
Worker	0.0104	6.4500e-003	0.0846	2.3000e-004	0.0267	1.4000e-004	0.0269	7.1100e-003	1.3000e-004	7.2400e-003	0.0000	21.1808	21.1808	6.8000e-004	6.1000e-004	21.3804
<b>Total</b>	<b>0.0123</b>	<b>0.0766</b>	<b>0.1058</b>	<b>5.0000e-004</b>	<b>0.0352</b>	<b>5.1000e-004</b>	<b>0.0357</b>	<b>9.5500e-003</b>	<b>4.9000e-004</b>	<b>0.0100</b>	<b>0.0000</b>	<b>47.8883</b>	<b>47.8883</b>	<b>1.3400e-003</b>	<b>4.5300e-003</b>	<b>49.2722</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**3.4 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0134	0.1300	0.1766	2.7000e-004		6.4900e-003	6.4900e-003		6.0000e-003	6.0000e-003	0.0000	23.2018	23.2018	7.2900e-003	0.0000	23.3841
Paving	6.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0141</b>	<b>0.1300</b>	<b>0.1766</b>	<b>2.7000e-004</b>		<b>6.4900e-003</b>	<b>6.4900e-003</b>		<b>6.0000e-003</b>	<b>6.0000e-003</b>	<b>0.0000</b>	<b>23.2018</b>	<b>23.2018</b>	<b>7.2900e-003</b>	<b>0.0000</b>	<b>23.3841</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	4.4000e-004	5.8100e-003	2.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4547	1.4547	5.0000e-005	4.0000e-005	1.4684
<b>Total</b>	<b>7.2000e-004</b>	<b>4.4000e-004</b>	<b>5.8100e-003</b>	<b>2.0000e-005</b>	<b>1.8400e-003</b>	<b>1.0000e-005</b>	<b>1.8500e-003</b>	<b>4.9000e-004</b>	<b>1.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.4547</b>	<b>1.4547</b>	<b>5.0000e-005</b>	<b>4.0000e-005</b>	<b>1.4684</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**3.4 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0134	0.1300	0.1766	2.7000e-004		6.4900e-003	6.4900e-003		6.0000e-003	6.0000e-003	0.0000	23.2018	23.2018	7.2900e-003	0.0000	23.3841
Paving	6.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0141</b>	<b>0.1300</b>	<b>0.1766</b>	<b>2.7000e-004</b>		<b>6.4900e-003</b>	<b>6.4900e-003</b>		<b>6.0000e-003</b>	<b>6.0000e-003</b>	<b>0.0000</b>	<b>23.2018</b>	<b>23.2018</b>	<b>7.2900e-003</b>	<b>0.0000</b>	<b>23.3841</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2000e-004	4.4000e-004	5.8100e-003	2.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4547	1.4547	5.0000e-005	4.0000e-005	1.4684
<b>Total</b>	<b>7.2000e-004</b>	<b>4.4000e-004</b>	<b>5.8100e-003</b>	<b>2.0000e-005</b>	<b>1.8400e-003</b>	<b>1.0000e-005</b>	<b>1.8500e-003</b>	<b>4.9000e-004</b>	<b>1.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.4547</b>	<b>1.4547</b>	<b>5.0000e-005</b>	<b>4.0000e-005</b>	<b>1.4684</b>



Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**3.5 Landscaping/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	0.0990					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0463	0.4172	0.5612	8.4000e-004		0.0219	0.0219		0.0204	0.0204	0.0000	73.4248	73.4248	0.0204	0.0000	73.9340
<b>Total</b>	<b>0.1452</b>	<b>0.4172</b>	<b>0.5612</b>	<b>8.4000e-004</b>		<b>0.0219</b>	<b>0.0219</b>		<b>0.0204</b>	<b>0.0204</b>	<b>0.0000</b>	<b>73.4248</b>	<b>73.4248</b>	<b>0.0204</b>	<b>0.0000</b>	<b>73.9340</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8100e-003	1.1200e-003	0.0147	4.0000e-005	4.6300e-003	2.0000e-005	4.6500e-003	1.2300e-003	2.0000e-005	1.2500e-003	0.0000	3.6659	3.6659	1.2000e-004	1.1000e-004	3.7005
<b>Total</b>	<b>1.8100e-003</b>	<b>1.1200e-003</b>	<b>0.0147</b>	<b>4.0000e-005</b>	<b>4.6300e-003</b>	<b>2.0000e-005</b>	<b>4.6500e-003</b>	<b>1.2300e-003</b>	<b>2.0000e-005</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>3.6659</b>	<b>3.6659</b>	<b>1.2000e-004</b>	<b>1.1000e-004</b>	<b>3.7005</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**3.5 Landscaping/Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0990					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0463	0.4172	0.5612	8.4000e-004		0.0219	0.0219		0.0204	0.0204	0.0000	73.4247	73.4247	0.0204	0.0000	73.9339
<b>Total</b>	<b>0.1452</b>	<b>0.4172</b>	<b>0.5612</b>	<b>8.4000e-004</b>		<b>0.0219</b>	<b>0.0219</b>		<b>0.0204</b>	<b>0.0204</b>	<b>0.0000</b>	<b>73.4247</b>	<b>73.4247</b>	<b>0.0204</b>	<b>0.0000</b>	<b>73.9339</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8100e-003	1.1200e-003	0.0147	4.0000e-005	4.6300e-003	2.0000e-005	4.6500e-003	1.2300e-003	2.0000e-005	1.2500e-003	0.0000	3.6659	3.6659	1.2000e-004	1.1000e-004	3.7005
<b>Total</b>	<b>1.8100e-003</b>	<b>1.1200e-003</b>	<b>0.0147</b>	<b>4.0000e-005</b>	<b>4.6300e-003</b>	<b>2.0000e-005</b>	<b>4.6500e-003</b>	<b>1.2300e-003</b>	<b>2.0000e-005</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>3.6659</b>	<b>3.6659</b>	<b>1.2000e-004</b>	<b>1.1000e-004</b>	<b>3.7005</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.1084	0.0000	0.1084	0.0266	0.0000	0.0266	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.1084	0.0000	0.1084	0.0266	0.0000	0.0266	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	73.08	73.08	73.08	212,539	212,539
Unrefrigerated Warehouse-No Rail	44.37	44.37	44.37	129,042	129,042
<b>Total</b>	<b>117.45</b>	<b>117.45</b>	<b>117.45</b>	<b>341,581</b>	<b>341,581</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
Other Non-Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	10.00	5.00	6.50	59.00	0.00	41.00	92	5	3







Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	7980	1.2958	1.2000e-004	1.0000e-005	1.3031
Unrefrigerated Warehouse-No Rail	133980	21.7553	2.0100e-003	2.4000e-004	21.8779
Unrefrigerated Warehouse-No Rail	81345	13.2086	1.2200e-003	1.5000e-004	13.2830
<b>Total</b>		<b>36.2596</b>	<b>3.3500e-003</b>	<b>4.0000e-004</b>	<b>36.4639</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**5.3 Energy by Land Use - Electricity**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	7980	1.2958	1.2000e-004	1.0000e-005	1.3031
Unrefrigerated Warehouse-No Rail	133980	21.7553	2.0100e-003	2.4000e-004	21.8779
Unrefrigerated Warehouse-No Rail	81345	13.2086	1.2200e-003	1.5000e-004	13.2830
<b>Total</b>		<b>36.2596</b>	<b>3.3500e-003</b>	<b>4.0000e-004</b>	<b>36.4639</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2816	1.0000e-005	1.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1600e-003	3.1600e-003	1.0000e-005	0.0000	3.3700e-003
Unmitigated	0.2816	1.0000e-005	1.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1600e-003	3.1600e-003	1.0000e-005	0.0000	3.3700e-003

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.1400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2733					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1600e-003	3.1600e-003	1.0000e-005	0.0000	3.3700e-003
<b>Total</b>	<b>0.2816</b>	<b>1.0000e-005</b>	<b>1.6300e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.1600e-003</b>	<b>3.1600e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.3700e-003</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.1400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2733					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.6300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.1600e-003	3.1600e-003	1.0000e-005	0.0000	3.3700e-003
<b>Total</b>	<b>0.2816</b>	<b>1.0000e-005</b>	<b>1.6300e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.1600e-003</b>	<b>3.1600e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>3.3700e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	18.1515	0.0202	0.0122	22.2769
Unmitigated	18.1515	0.0202	0.0122	22.2769

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	15.6094 / 0	18.1515	0.0202	0.0122	22.2769
<b>Total</b>		<b>18.1515</b>	<b>0.0202</b>	<b>0.0122</b>	<b>22.2769</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	15.6094 / 0	18.1515	0.0202	0.0122	22.2769
<b>Total</b>		<b>18.1515</b>	<b>0.0202</b>	<b>0.0122</b>	<b>22.2769</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	12.8798	0.7612	0.0000	31.9091
Unmitigated	12.8798	0.7612	0.0000	31.9091

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	63.45	12.8798	0.7612	0.0000	31.9091
<b>Total</b>		<b>12.8798</b>	<b>0.7612</b>	<b>0.0000</b>	<b>31.9091</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	63.45	12.8798	0.7612	0.0000	31.9091
<b>Total</b>		<b>12.8798</b>	<b>0.7612</b>	<b>0.0000</b>	<b>31.9091</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
Fire Pump	1	2	500	299	0.73	Diesel

**Boilers**

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

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Annual

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

Equipment Type	Number
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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Fire Pump - Diesel (175 - 300 HP)	0.1227	0.3429	0.3128	5.9000e-004		0.0181	0.0181		0.0181	0.0181	0.0000	56.9292	56.9292	7.9800e-003	0.0000	57.1287
<b>Total</b>	<b>0.1227</b>	<b>0.3429</b>	<b>0.3128</b>	<b>5.9000e-004</b>		<b>0.0181</b>	<b>0.0181</b>		<b>0.0181</b>	<b>0.0181</b>	<b>0.0000</b>	<b>56.9292</b>	<b>56.9292</b>	<b>7.9800e-003</b>	<b>0.0000</b>	<b>57.1287</b>

**11.0 Vegetation**

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Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**Raley Boulevard and Diesel Drive Warehouses Project**

**Sacramento County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	42.00	1000sqft	0.96	42,000.00	0
Unrefrigerated Warehouse-No Rail	25.50	1000sqft	0.59	25,500.00	0
Other Non-Asphalt Surfaces	2.90	Acre	2.90	126,324.00	0
Parking Lot	57.00	Space	0.51	22,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2023
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use -

Construction Phase - Project scheduled modified to reflect Project specifics

Off-road Equipment - Modified to reflect the conservative Project specifics

Off-road Equipment - Modified to reflect the conservative Project specifics

Off-road Equipment - Modified to reflect the conservative Project specifics

Off-road Equipment - Modified to reflect the conservative Project specifics

Trips and VMT -

Grading - Applicant Provided Information



Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

Architectural Coating - Applicant Provided Information

Area Coating - Applicant Provided Information

Energy Use - no natural gas use

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	101,250.00	0.00
tblAreaCoating	Area_Nonresidential_Interior	101250	0
tblAreaCoating	Area_Parking	8947	1368
tblConstructionPhase	NumDays	18.00	70.00
tblConstructionPhase	NumDays	230.00	80.00
tblConstructionPhase	NumDays	8.00	50.00
tblConstructionPhase	NumDays	18.00	25.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblEnergyUse	T24NG	0.49	0.00
tblFleetMix	HHD	9.3060e-003	0.00
tblFleetMix	HHD	9.3060e-003	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	6.0930e-003	0.00

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

tblFleetMix	LHD2	6.0930e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.5070e-003	0.00
tblFleetMix	MH	3.5070e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	9.4200e-004	0.00
tblFleetMix	OBUS	9.4200e-004	0.00
tblFleetMix	SBUS	1.0060e-003	0.00
tblFleetMix	SBUS	1.0060e-003	0.00
tblFleetMix	UBUS	5.4800e-004	0.00
tblFleetMix	UBUS	5.4800e-004	0.00
tblGrading	AcresOfGrading	250.00	15.00
tblGrading	MaterialExported	0.00	13,321.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

tblOffRoadEquipment	UsageHours	6.00	8.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	299.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	2.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	500.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00

**2.0 Emissions Summary**

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Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5431	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.6203	0.0000	0.6203	0.1523	0.0000	0.1523		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.9812	2.7429	2.5023	4.7200e-003		0.1444	0.1444		0.1444	0.1444		502.0294	502.0294	0.0704		503.7891
<b>Total</b>	<b>2.5244</b>	<b>2.7430</b>	<b>2.5153</b>	<b>4.7200e-003</b>	<b>0.6203</b>	<b>0.1444</b>	<b>0.7648</b>	<b>0.1523</b>	<b>0.1444</b>	<b>0.2967</b>		<b>502.0573</b>	<b>502.0573</b>	<b>0.0705</b>	<b>0.0000</b>	<b>503.8188</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**2.2 Overall Operational**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5431	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.6203	0.0000	0.6203	0.1523	0.0000	0.1523		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.9812	2.7429	2.5023	4.7200e-003		0.1444	0.1444		0.1444	0.1444		502.0294	502.0294	0.0704		503.7891
<b>Total</b>	<b>2.5244</b>	<b>2.7430</b>	<b>2.5153</b>	<b>4.7200e-003</b>	<b>0.6203</b>	<b>0.1444</b>	<b>0.7648</b>	<b>0.1523</b>	<b>0.1444</b>	<b>0.2967</b>		<b>502.0573</b>	<b>502.0573</b>	<b>0.0705</b>	<b>0.0000</b>	<b>503.8188</b>

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

**3.0 Construction Detail**

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Sewer/Foundations	Grading	3/1/2023	4/19/2023	7	50	
2	Building Construction	Building Construction	4/20/2023	7/8/2023	7	80	
3	Paving	Paving	7/9/2023	8/2/2023	7	25	
4	Landscaping/Architectural Coating	Architectural Coating	8/3/2023	10/11/2023	7	70	

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

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

**Acres of Grading (Grading Phase): 15**

**Acres of Paving: 3.41**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 33,750; Striped Parking Area: 8,947 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Sewer/Foundations	Crawler Tractors	1	8.00	212	0.43
Sewer/Foundations	Excavators	2	8.00	158	0.38
Sewer/Foundations	Graders	1	8.00	187	0.41
Sewer/Foundations	Off-Highway Tractors	1	8.00	124	0.44
Sewer/Foundations	Other Construction Equipment	1	8.00	172	0.42
Sewer/Foundations	Plate Compactors	1	8.00	8	0.43
Sewer/Foundations	Rubber Tired Dozers	0	8.00	247	0.40
Sewer/Foundations	Rubber Tired Loaders	1	8.00	203	0.36
Sewer/Foundations	Scrapers	4	8.00	367	0.48
Sewer/Foundations	Skid Steer Loaders	1	8.00	65	0.37
Sewer/Foundations	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Crawler Tractors	1	8.00	212	0.43
Building Construction	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Tractors	1	8.00	124	0.44
Building Construction	Other Construction Equipment	1	8.00	172	0.42
Building Construction	Plate Compactors	1	8.00	8	0.43
Building Construction	Rubber Tired Loaders	1	8.00	203	0.36

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Landscaping/Architectural Coating	Air Compressors	1	8.00	78	0.48
Landscaping/Architectural Coating	Off-Highway Tractors	1	8.00	124	0.44
Landscaping/Architectural Coating	Other Construction Equipment	1	8.00	172	0.42
Landscaping/Architectural Coating	Plate Compactors	1	8.00	8	0.43
Landscaping/Architectural Coating	Sweepers/Scrubbers	1	8.00	64	0.46
Landscaping/Architectural Coating	Tractors/Loaders/Backhoes	2	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Sewer/Foundations	15	38.00	0.00	1,665.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	91.00	36.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping/Architectural Coating	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**



Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**3.2 Sewer/Foundations - 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					
Fugitive Dust					0.3733	0.0000	0.3733	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	5.5723	58.0057	49.5955	0.1114		2.3409	2.3409		2.1544	2.1544		10,776.9466	10,776.9466	3.4779		10,863.8943
<b>Total</b>	<b>5.5723</b>	<b>58.0057</b>	<b>49.5955</b>	<b>0.1114</b>	<b>0.3733</b>	<b>2.3409</b>	<b>2.7142</b>	<b>0.0427</b>	<b>2.1544</b>	<b>2.1971</b>		<b>10,776.9466</b>	<b>10,776.9466</b>	<b>3.4779</b>		<b>10,863.8943</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	0.0904	5.0053	1.0565	0.0209	0.5807	0.0386	0.6193	0.1590	0.0369	0.1959		2,280.0768	2,280.0768	0.0909	0.3615	2,390.0803
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	0.1280	0.0615	1.0328	2.6400e-003	0.2891	1.4900e-003	0.2906	0.0767	1.3700e-003	0.0781		267.0966	267.0966	7.4200e-003	6.6400e-003	269.2614
<b>Total</b>	<b>0.2183</b>	<b>5.0668</b>	<b>2.0893</b>	<b>0.0235</b>	<b>0.8698</b>	<b>0.0401</b>	<b>0.9098</b>	<b>0.2357</b>	<b>0.0383</b>	<b>0.2740</b>		<b>2,547.1734</b>	<b>2,547.1734</b>	<b>0.0983</b>	<b>0.3682</b>	<b>2,659.3416</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**3.2 Sewer/Foundations - 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					
Fugitive Dust					0.3733	0.0000	0.3733	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	5.5723	58.0057	49.5954	0.1114		2.3409	2.3409		2.1544	2.1544	0.0000	10,776.9465	10,776.9465	3.4779		10,863.8943
<b>Total</b>	<b>5.5723</b>	<b>58.0057</b>	<b>49.5954</b>	<b>0.1114</b>	<b>0.3733</b>	<b>2.3409</b>	<b>2.7142</b>	<b>0.0427</b>	<b>2.1544</b>	<b>2.1971</b>	<b>0.0000</b>	<b>10,776.9465</b>	<b>10,776.9465</b>	<b>3.4779</b>		<b>10,863.8943</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	0.0904	5.0053	1.0565	0.0209	0.5807	0.0386	0.6193	0.1590	0.0369	0.1959		2,280.0768	2,280.0768	0.0909	0.3615	2,390.0803
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	0.1280	0.0615	1.0328	2.6400e-003	0.2891	1.4900e-003	0.2906	0.0767	1.3700e-003	0.0781		267.0966	267.0966	7.4200e-003	6.6400e-003	269.2614
<b>Total</b>	<b>0.2183</b>	<b>5.0668</b>	<b>2.0893</b>	<b>0.0235</b>	<b>0.8698</b>	<b>0.0401</b>	<b>0.9098</b>	<b>0.2357</b>	<b>0.0383</b>	<b>0.2740</b>		<b>2,547.1734</b>	<b>2,547.1734</b>	<b>0.0983</b>	<b>0.3682</b>	<b>2,659.3416</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**3.3 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	2.5659	24.5943	26.0800	0.0509		1.0666	1.0666		0.9865	0.9865		4,876.6266	4,876.6266	1.5252		4,914.7557
<b>Total</b>	<b>2.5659</b>	<b>24.5943</b>	<b>26.0800</b>	<b>0.0509</b>		<b>1.0666</b>	<b>1.0666</b>		<b>0.9865</b>	<b>0.9865</b>		<b>4,876.6266</b>	<b>4,876.6266</b>	<b>1.5252</b>		<b>4,914.7557</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	0.0482	1.6669	0.5189	6.8600e-003	0.2169	9.3100e-003	0.2262	0.0624	8.9000e-003	0.0713		735.7832	735.7832	0.0182	0.1079	768.3787
Worker	0.3065	0.1472	2.4733	6.3300e-003	0.6922	3.5600e-003	0.6958	0.1836	3.2800e-003	0.1869		639.6262	639.6262	0.0178	0.0159	644.8101
<b>Total</b>	<b>0.3546</b>	<b>1.8142</b>	<b>2.9923</b>	<b>0.0132</b>	<b>0.9091</b>	<b>0.0129</b>	<b>0.9220</b>	<b>0.2461</b>	<b>0.0122</b>	<b>0.2582</b>		<b>1,375.4093</b>	<b>1,375.4093</b>	<b>0.0360</b>	<b>0.1238</b>	<b>1,413.1888</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**3.3 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	2.5659	24.5943	26.0800	0.0509		1.0666	1.0666		0.9865	0.9865	0.0000	4,876.6266	4,876.6266	1.5252		4,914.7557
<b>Total</b>	<b>2.5659</b>	<b>24.5943</b>	<b>26.0800</b>	<b>0.0509</b>		<b>1.0666</b>	<b>1.0666</b>		<b>0.9865</b>	<b>0.9865</b>	<b>0.0000</b>	<b>4,876.6266</b>	<b>4,876.6266</b>	<b>1.5252</b>		<b>4,914.7557</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	0.0482	1.6669	0.5189	6.8600e-003	0.2169	9.3100e-003	0.2262	0.0624	8.9000e-003	0.0713		735.7832	735.7832	0.0182	0.1079	768.3787
Worker	0.3065	0.1472	2.4733	6.3300e-003	0.6922	3.5600e-003	0.6958	0.1836	3.2800e-003	0.1869		639.6262	639.6262	0.0178	0.0159	644.8101
<b>Total</b>	<b>0.3546</b>	<b>1.8142</b>	<b>2.9923</b>	<b>0.0132</b>	<b>0.9091</b>	<b>0.0129</b>	<b>0.9220</b>	<b>0.2461</b>	<b>0.0122</b>	<b>0.2582</b>		<b>1,375.4093</b>	<b>1,375.4093</b>	<b>0.0360</b>	<b>0.1238</b>	<b>1,413.1888</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**3.4 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0717	10.3968	14.1258	0.0215		0.5194	0.5194		0.4798	0.4798		2,046.0484	2,046.0484	0.6431		2,062.1251
Paving	0.0535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1251</b>	<b>10.3968</b>	<b>14.1258</b>	<b>0.0215</b>		<b>0.5194</b>	<b>0.5194</b>		<b>0.4798</b>	<b>0.4798</b>		<b>2,046.0484</b>	<b>2,046.0484</b>	<b>0.6431</b>		<b>2,062.1251</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	0.0674	0.0324	0.5436	1.3900e-003	0.1521	7.8000e-004	0.1529	0.0404	7.2000e-004	0.0411		140.5772	140.5772	3.9100e-003	3.5000e-003	141.7165
<b>Total</b>	<b>0.0674</b>	<b>0.0324</b>	<b>0.5436</b>	<b>1.3900e-003</b>	<b>0.1521</b>	<b>7.8000e-004</b>	<b>0.1529</b>	<b>0.0404</b>	<b>7.2000e-004</b>	<b>0.0411</b>		<b>140.5772</b>	<b>140.5772</b>	<b>3.9100e-003</b>	<b>3.5000e-003</b>	<b>141.7165</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**3.4 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0717	10.3968	14.1258	0.0215		0.5194	0.5194		0.4798	0.4798	0.0000	2,046.048 4	2,046.048 4	0.6431		2,062.125 1
Paving	0.0535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1251</b>	<b>10.3968</b>	<b>14.1258</b>	<b>0.0215</b>		<b>0.5194</b>	<b>0.5194</b>		<b>0.4798</b>	<b>0.4798</b>	<b>0.0000</b>	<b>2,046.048 4</b>	<b>2,046.048 4</b>	<b>0.6431</b>		<b>2,062.125 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	0.0000	0.0000	0.0000	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	0.0674	0.0324	0.5436	1.3900e-003	0.1521	7.8000e-004	0.1529	0.0404	7.2000e-004	0.0411		140.5772	140.5772	3.9100e-003	3.5000e-003	141.7165
<b>Total</b>	<b>0.0674</b>	<b>0.0324</b>	<b>0.5436</b>	<b>1.3900e-003</b>	<b>0.1521</b>	<b>7.8000e-004</b>	<b>0.1529</b>	<b>0.0404</b>	<b>7.2000e-004</b>	<b>0.0411</b>		<b>140.5772</b>	<b>140.5772</b>	<b>3.9100e-003</b>	<b>3.5000e-003</b>	<b>141.7165</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**3.5 Landscaping/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	2.8272					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.3223	11.9211	16.0338	0.0241		0.6257	0.6257		0.5840	0.5840		2,312.4863	2,312.4863	0.6414		2,328.5217
<b>Total</b>	<b>4.1494</b>	<b>11.9211</b>	<b>16.0338</b>	<b>0.0241</b>		<b>0.6257</b>	<b>0.6257</b>		<b>0.5840</b>	<b>0.5840</b>		<b>2,312.4863</b>	<b>2,312.4863</b>	<b>0.6414</b>		<b>2,328.5217</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	0.0606	0.0291	0.4892	1.2500e-003	0.1369	7.0000e-004	0.1376	0.0363	6.5000e-004	0.0370		126.5195	126.5195	3.5200e-003	3.1500e-003	127.5449
<b>Total</b>	<b>0.0606</b>	<b>0.0291</b>	<b>0.4892</b>	<b>1.2500e-003</b>	<b>0.1369</b>	<b>7.0000e-004</b>	<b>0.1376</b>	<b>0.0363</b>	<b>6.5000e-004</b>	<b>0.0370</b>		<b>126.5195</b>	<b>126.5195</b>	<b>3.5200e-003</b>	<b>3.1500e-003</b>	<b>127.5449</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**3.5 Landscaping/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	2.8272					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.3223	11.9211	16.0338	0.0241		0.6257	0.6257		0.5840	0.5840	0.0000	2,312.4863	2,312.4863	0.6414		2,328.5217
<b>Total</b>	<b>4.1494</b>	<b>11.9211</b>	<b>16.0338</b>	<b>0.0241</b>		<b>0.6257</b>	<b>0.6257</b>		<b>0.5840</b>	<b>0.5840</b>	<b>0.0000</b>	<b>2,312.4863</b>	<b>2,312.4863</b>	<b>0.6414</b>		<b>2,328.5217</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	0.0606	0.0291	0.4892	1.2500e-003	0.1369	7.0000e-004	0.1376	0.0363	6.5000e-004	0.0370		126.5195	126.5195	3.5200e-003	3.1500e-003	127.5449
<b>Total</b>	<b>0.0606</b>	<b>0.0291</b>	<b>0.4892</b>	<b>1.2500e-003</b>	<b>0.1369</b>	<b>7.0000e-004</b>	<b>0.1376</b>	<b>0.0363</b>	<b>6.5000e-004</b>	<b>0.0370</b>		<b>126.5195</b>	<b>126.5195</b>	<b>3.5200e-003</b>	<b>3.1500e-003</b>	<b>127.5449</b>



Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.6203	0.0000	0.6203	0.1523	0.0000	0.1523		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.6203	0.0000	0.6203	0.1523	0.0000	0.1523		0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	73.08	73.08	73.08	212,539	212,539
Unrefrigerated Warehouse-No Rail	44.37	44.37	44.37	129,042	129,042
<b>Total</b>	<b>117.45</b>	<b>117.45</b>	<b>117.45</b>	<b>341,581</b>	<b>341,581</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
Other Non-Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	10.00	5.00	6.50	59.00	0.00	41.00	92	5	3

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	10.00	5.00	6.50	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.538353	0.056973	0.184081	0.133246	0.026575	0.006093	0.013235	0.009306	0.000942	0.000548	0.026135	0.001006	0.003507
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

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

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas s 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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5431	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Unmitigated	1.5431	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
<b>Total</b>	<b>1.5431</b>	<b>1.2000e-004</b>	<b>0.0130</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>0.0279</b>	<b>0.0279</b>	<b>7.0000e-005</b>		<b>0.0297</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
<b>Total</b>	<b>1.5431</b>	<b>1.2000e-004</b>	<b>0.0130</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>0.0279</b>	<b>0.0279</b>	<b>7.0000e-005</b>		<b>0.0297</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**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

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Summer

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	1	2	500	299	0.73	Diesel

**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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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Fire Pump - Diesel (175 - 300 HP)	0.9812	2.7429	2.5023	4.7200e-003		0.1444	0.1444		0.1444	0.1444		502.0294	502.0294	0.0704		503.7891
<b>Total</b>	<b>0.9812</b>	<b>2.7429</b>	<b>2.5023</b>	<b>4.7200e-003</b>		<b>0.1444</b>	<b>0.1444</b>		<b>0.1444</b>	<b>0.1444</b>		<b>502.0294</b>	<b>502.0294</b>	<b>0.0704</b>		<b>503.7891</b>

**11.0 Vegetation**

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Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**Raley Boulevard and Diesel Drive Warehouses Project  
Sacramento County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	42.00	1000sqft	0.96	42,000.00	0
Unrefrigerated Warehouse-No Rail	25.50	1000sqft	0.59	25,500.00	0
Other Non-Asphalt Surfaces	2.90	Acre	2.90	126,324.00	0
Parking Lot	57.00	Space	0.51	22,800.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2023
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MWhr)</b>	357.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use -

Construction Phase - Project scheduled modified to reflect Project specifics

Off-road Equipment - Modified to reflect the conservative Project specifics

Off-road Equipment - Modified to reflect the conservative Project specifics

Off-road Equipment - Modified to reflect the conservative Project specifics

Off-road Equipment - Modified to reflect the conservative Project specifics

Trips and VMT -

Grading - Applicant Provided Information



Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

Architectural Coating - Applicant Provided Information

Area Coating - Applicant Provided Information

Energy Use - no natural gas use

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	101,250.00	0.00
tblAreaCoating	Area_Nonresidential_Interior	101250	0
tblAreaCoating	Area_Parking	8947	1368
tblConstructionPhase	NumDays	18.00	70.00
tblConstructionPhase	NumDays	230.00	80.00
tblConstructionPhase	NumDays	8.00	50.00
tblConstructionPhase	NumDays	18.00	25.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblEnergyUse	T24NG	0.49	0.00
tblFleetMix	HHD	9.3060e-003	0.00
tblFleetMix	HHD	9.3060e-003	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDA	0.54	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT1	0.06	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LDT2	0.18	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD1	0.03	0.00
tblFleetMix	LHD2	6.0930e-003	0.00

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

tblFleetMix	LHD2	6.0930e-003	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MCY	0.03	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MDV	0.13	0.00
tblFleetMix	MH	3.5070e-003	0.00
tblFleetMix	MH	3.5070e-003	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	9.4200e-004	0.00
tblFleetMix	OBUS	9.4200e-004	0.00
tblFleetMix	SBUS	1.0060e-003	0.00
tblFleetMix	SBUS	1.0060e-003	0.00
tblFleetMix	UBUS	5.4800e-004	0.00
tblFleetMix	UBUS	5.4800e-004	0.00
tblGrading	AcresOfGrading	250.00	15.00
tblGrading	MaterialExported	0.00	13,321.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

tblOffRoadEquipment	UsageHours	6.00	8.00
tblStationaryGeneratorsPumpsEF	CH4_EF	0.07	0.07
tblStationaryGeneratorsPumpsEF	ROG_EF	2.2480e-003	2.2477e-003
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	299.00
tblStationaryGeneratorsPumpsUse	HoursPerDay	0.00	2.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	500.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00

**2.0 Emissions Summary**

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Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5431	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.6203	0.0000	0.6203	0.1523	0.0000	0.1523		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.9812	2.7429	2.5023	4.7200e-003		0.1444	0.1444		0.1444	0.1444		502.0294	502.0294	0.0704		503.7891
<b>Total</b>	<b>2.5244</b>	<b>2.7430</b>	<b>2.5153</b>	<b>4.7200e-003</b>	<b>0.6203</b>	<b>0.1444</b>	<b>0.7648</b>	<b>0.1523</b>	<b>0.1444</b>	<b>0.2967</b>		<b>502.0573</b>	<b>502.0573</b>	<b>0.0705</b>	<b>0.0000</b>	<b>503.8188</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**2.2 Overall Operational**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5431	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.6203	0.0000	0.6203	0.1523	0.0000	0.1523		0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.9812	2.7429	2.5023	4.7200e-003		0.1444	0.1444		0.1444	0.1444		502.0294	502.0294	0.0704		503.7891
<b>Total</b>	<b>2.5244</b>	<b>2.7430</b>	<b>2.5153</b>	<b>4.7200e-003</b>	<b>0.6203</b>	<b>0.1444</b>	<b>0.7648</b>	<b>0.1523</b>	<b>0.1444</b>	<b>0.2967</b>		<b>502.0573</b>	<b>502.0573</b>	<b>0.0705</b>	<b>0.0000</b>	<b>503.8188</b>

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

**3.0 Construction Detail**

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Sewer/Foundations	Grading	3/1/2023	4/19/2023	7	50	
2	Building Construction	Building Construction	4/20/2023	7/8/2023	7	80	
3	Paving	Paving	7/9/2023	8/2/2023	7	25	
4	Landscaping/Architectural Coating	Architectural Coating	8/3/2023	10/11/2023	7	70	

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

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

**Acres of Grading (Grading Phase): 15**

**Acres of Paving: 3.41**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 33,750; Striped Parking Area: 8,947 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Sewer/Foundations	Crawler Tractors	1	8.00	212	0.43
Sewer/Foundations	Excavators	2	8.00	158	0.38
Sewer/Foundations	Graders	1	8.00	187	0.41
Sewer/Foundations	Off-Highway Tractors	1	8.00	124	0.44
Sewer/Foundations	Other Construction Equipment	1	8.00	172	0.42
Sewer/Foundations	Plate Compactors	1	8.00	8	0.43
Sewer/Foundations	Rubber Tired Dozers	0	8.00	247	0.40
Sewer/Foundations	Rubber Tired Loaders	1	8.00	203	0.36
Sewer/Foundations	Scrapers	4	8.00	367	0.48
Sewer/Foundations	Skid Steer Loaders	1	8.00	65	0.37
Sewer/Foundations	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Crawler Tractors	1	8.00	212	0.43
Building Construction	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Tractors	1	8.00	124	0.44
Building Construction	Other Construction Equipment	1	8.00	172	0.42
Building Construction	Plate Compactors	1	8.00	8	0.43
Building Construction	Rubber Tired Loaders	1	8.00	203	0.36

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Landscaping/Architectural Coating	Air Compressors	1	8.00	78	0.48
Landscaping/Architectural Coating	Off-Highway Tractors	1	8.00	124	0.44
Landscaping/Architectural Coating	Other Construction Equipment	1	8.00	172	0.42
Landscaping/Architectural Coating	Plate Compactors	1	8.00	8	0.43
Landscaping/Architectural Coating	Sweepers/Scrubbers	1	8.00	64	0.46
Landscaping/Architectural Coating	Tractors/Loaders/Backhoes	2	8.00	97	0.37

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Sewer/Foundations	15	38.00	0.00	1,665.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	91.00	36.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping/Architectural Coating	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**



Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**3.2 Sewer/Foundations - 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					
Fugitive Dust					0.3733	0.0000	0.3733	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	5.5723	58.0057	49.5955	0.1114		2.3409	2.3409		2.1544	2.1544		10,776.9466	10,776.9466	3.4779		10,863.8943
<b>Total</b>	<b>5.5723</b>	<b>58.0057</b>	<b>49.5955</b>	<b>0.1114</b>	<b>0.3733</b>	<b>2.3409</b>	<b>2.7142</b>	<b>0.0427</b>	<b>2.1544</b>	<b>2.1971</b>		<b>10,776.9466</b>	<b>10,776.9466</b>	<b>3.4779</b>		<b>10,863.8943</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	0.0861	5.4119	1.0758	0.0209	0.5807	0.0387	0.6194	0.1590	0.0371	0.1961		2,281.3734	2,281.3734	0.0907	0.3617	2,391.4376
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	0.1133	0.0754	0.8995	2.3500e-003	0.2891	1.4900e-003	0.2906	0.0767	1.3700e-003	0.0781		237.5925	237.5925	8.5500e-003	7.6200e-003	240.0762
<b>Total</b>	<b>0.1994</b>	<b>5.4873</b>	<b>1.9753</b>	<b>0.0233</b>	<b>0.8698</b>	<b>0.0402</b>	<b>0.9100</b>	<b>0.2357</b>	<b>0.0384</b>	<b>0.2741</b>		<b>2,518.9659</b>	<b>2,518.9659</b>	<b>0.0993</b>	<b>0.3694</b>	<b>2,631.5138</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**3.2 Sewer/Foundations - 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					
Fugitive Dust					0.3733	0.0000	0.3733	0.0427	0.0000	0.0427			0.0000			0.0000
Off-Road	5.5723	58.0057	49.5954	0.1114		2.3409	2.3409		2.1544	2.1544	0.0000	10,776.94 65	10,776.94 65	3.4779		10,863.89 43
<b>Total</b>	<b>5.5723</b>	<b>58.0057</b>	<b>49.5954</b>	<b>0.1114</b>	<b>0.3733</b>	<b>2.3409</b>	<b>2.7142</b>	<b>0.0427</b>	<b>2.1544</b>	<b>2.1971</b>	<b>0.0000</b>	<b>10,776.94 65</b>	<b>10,776.94 65</b>	<b>3.4779</b>		<b>10,863.89 43</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	0.0861	5.4119	1.0758	0.0209	0.5807	0.0387	0.6194	0.1590	0.0371	0.1961		2,281.373 4	2,281.373 4	0.0907	0.3617	2,391.437 6
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	0.1133	0.0754	0.8995	2.3500e-003	0.2891	1.4900e-003	0.2906	0.0767	1.3700e-003	0.0781		237.5925	237.5925	8.5500e-003	7.6200e-003	240.0762
<b>Total</b>	<b>0.1994</b>	<b>5.4873</b>	<b>1.9753</b>	<b>0.0233</b>	<b>0.8698</b>	<b>0.0402</b>	<b>0.9100</b>	<b>0.2357</b>	<b>0.0384</b>	<b>0.2741</b>		<b>2,518.965 9</b>	<b>2,518.965 9</b>	<b>0.0993</b>	<b>0.3694</b>	<b>2,631.513 8</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**3.3 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	2.5659	24.5943	26.0800	0.0509		1.0666	1.0666		0.9865	0.9865		4,876.6266	4,876.6266	1.5252		4,914.7557
<b>Total</b>	<b>2.5659</b>	<b>24.5943</b>	<b>26.0800</b>	<b>0.0509</b>		<b>1.0666</b>	<b>1.0666</b>		<b>0.9865</b>	<b>0.9865</b>		<b>4,876.6266</b>	<b>4,876.6266</b>	<b>1.5252</b>		<b>4,914.7557</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	0.0466	1.7916	0.5426	6.8600e-003	0.2169	9.4100e-003	0.2263	0.0624	9.0000e-003	0.0714		736.3105	736.3105	0.0181	0.1081	768.9810
Worker	0.2714	0.1806	2.1541	5.6300e-003	0.6922	3.5600e-003	0.6958	0.1836	3.2800e-003	0.1869		568.9716	568.9716	0.0205	0.0182	574.9193
<b>Total</b>	<b>0.3180</b>	<b>1.9722</b>	<b>2.6967</b>	<b>0.0125</b>	<b>0.9091</b>	<b>0.0130</b>	<b>0.9221</b>	<b>0.2461</b>	<b>0.0123</b>	<b>0.2583</b>		<b>1,305.2821</b>	<b>1,305.2821</b>	<b>0.0386</b>	<b>0.1264</b>	<b>1,343.9002</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**3.3 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	2.5659	24.5943	26.0800	0.0509		1.0666	1.0666		0.9865	0.9865	0.0000	4,876.6266	4,876.6266	1.5252		4,914.7557
<b>Total</b>	<b>2.5659</b>	<b>24.5943</b>	<b>26.0800</b>	<b>0.0509</b>		<b>1.0666</b>	<b>1.0666</b>		<b>0.9865</b>	<b>0.9865</b>	<b>0.0000</b>	<b>4,876.6266</b>	<b>4,876.6266</b>	<b>1.5252</b>		<b>4,914.7557</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	0.0466	1.7916	0.5426	6.8600e-003	0.2169	9.4100e-003	0.2263	0.0624	9.0000e-003	0.0714		736.3105	736.3105	0.0181	0.1081	768.9810
Worker	0.2714	0.1806	2.1541	5.6300e-003	0.6922	3.5600e-003	0.6958	0.1836	3.2800e-003	0.1869		568.9716	568.9716	0.0205	0.0182	574.9193
<b>Total</b>	<b>0.3180</b>	<b>1.9722</b>	<b>2.6967</b>	<b>0.0125</b>	<b>0.9091</b>	<b>0.0130</b>	<b>0.9221</b>	<b>0.2461</b>	<b>0.0123</b>	<b>0.2583</b>		<b>1,305.2821</b>	<b>1,305.2821</b>	<b>0.0386</b>	<b>0.1264</b>	<b>1,343.9002</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**3.4 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0717	10.3968	14.1258	0.0215		0.5194	0.5194		0.4798	0.4798		2,046.0484	2,046.0484	0.6431		2,062.1251
Paving	0.0535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1251</b>	<b>10.3968</b>	<b>14.1258</b>	<b>0.0215</b>		<b>0.5194</b>	<b>0.5194</b>		<b>0.4798</b>	<b>0.4798</b>		<b>2,046.0484</b>	<b>2,046.0484</b>	<b>0.6431</b>		<b>2,062.1251</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	0.0597	0.0397	0.4734	1.2400e-003	0.1521	7.8000e-004	0.1529	0.0404	7.2000e-004	0.0411		125.0487	125.0487	4.5000e-003	4.0100e-003	126.3559
<b>Total</b>	<b>0.0597</b>	<b>0.0397</b>	<b>0.4734</b>	<b>1.2400e-003</b>	<b>0.1521</b>	<b>7.8000e-004</b>	<b>0.1529</b>	<b>0.0404</b>	<b>7.2000e-004</b>	<b>0.0411</b>		<b>125.0487</b>	<b>125.0487</b>	<b>4.5000e-003</b>	<b>4.0100e-003</b>	<b>126.3559</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**3.4 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0717	10.3968	14.1258	0.0215		0.5194	0.5194		0.4798	0.4798	0.0000	2,046.048 4	2,046.048 4	0.6431		2,062.125 1
Paving	0.0535					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1251</b>	<b>10.3968</b>	<b>14.1258</b>	<b>0.0215</b>		<b>0.5194</b>	<b>0.5194</b>		<b>0.4798</b>	<b>0.4798</b>	<b>0.0000</b>	<b>2,046.048 4</b>	<b>2,046.048 4</b>	<b>0.6431</b>		<b>2,062.125 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	0.0000	0.0000	0.0000	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	0.0597	0.0397	0.4734	1.2400e-003	0.1521	7.8000e-004	0.1529	0.0404	7.2000e-004	0.0411		125.0487	125.0487	4.5000e-003	4.0100e-003	126.3559
<b>Total</b>	<b>0.0597</b>	<b>0.0397</b>	<b>0.4734</b>	<b>1.2400e-003</b>	<b>0.1521</b>	<b>7.8000e-004</b>	<b>0.1529</b>	<b>0.0404</b>	<b>7.2000e-004</b>	<b>0.0411</b>		<b>125.0487</b>	<b>125.0487</b>	<b>4.5000e-003</b>	<b>4.0100e-003</b>	<b>126.3559</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**3.5 Landscaping/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	2.8272					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.3223	11.9211	16.0338	0.0241		0.6257	0.6257		0.5840	0.5840		2,312.4863	2,312.4863	0.6414		2,328.5217
<b>Total</b>	<b>4.1494</b>	<b>11.9211</b>	<b>16.0338</b>	<b>0.0241</b>		<b>0.6257</b>	<b>0.6257</b>		<b>0.5840</b>	<b>0.5840</b>		<b>2,312.4863</b>	<b>2,312.4863</b>	<b>0.6414</b>		<b>2,328.5217</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	0.0537	0.0357	0.4261	1.1100e-003	0.1369	7.0000e-004	0.1376	0.0363	6.5000e-004	0.0370		112.5438	112.5438	4.0500e-003	3.6100e-003	113.7203
<b>Total</b>	<b>0.0537</b>	<b>0.0357</b>	<b>0.4261</b>	<b>1.1100e-003</b>	<b>0.1369</b>	<b>7.0000e-004</b>	<b>0.1376</b>	<b>0.0363</b>	<b>6.5000e-004</b>	<b>0.0370</b>		<b>112.5438</b>	<b>112.5438</b>	<b>4.0500e-003</b>	<b>3.6100e-003</b>	<b>113.7203</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**3.5 Landscaping/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	2.8272					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.3223	11.9211	16.0338	0.0241		0.6257	0.6257		0.5840	0.5840	0.0000	2,312.4863	2,312.4863	0.6414		2,328.5217
<b>Total</b>	<b>4.1494</b>	<b>11.9211</b>	<b>16.0338</b>	<b>0.0241</b>		<b>0.6257</b>	<b>0.6257</b>		<b>0.5840</b>	<b>0.5840</b>	<b>0.0000</b>	<b>2,312.4863</b>	<b>2,312.4863</b>	<b>0.6414</b>		<b>2,328.5217</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	0.0537	0.0357	0.4261	1.1100e-003	0.1369	7.0000e-004	0.1376	0.0363	6.5000e-004	0.0370		112.5438	112.5438	4.0500e-003	3.6100e-003	113.7203
<b>Total</b>	<b>0.0537</b>	<b>0.0357</b>	<b>0.4261</b>	<b>1.1100e-003</b>	<b>0.1369</b>	<b>7.0000e-004</b>	<b>0.1376</b>	<b>0.0363</b>	<b>6.5000e-004</b>	<b>0.0370</b>		<b>112.5438</b>	<b>112.5438</b>	<b>4.0500e-003</b>	<b>3.6100e-003</b>	<b>113.7203</b>



Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.6203	0.0000	0.6203	0.1523	0.0000	0.1523		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.6203	0.0000	0.6203	0.1523	0.0000	0.1523		0.0000	0.0000	0.0000	0.0000	0.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	73.08	73.08	73.08	212,539	212,539
Unrefrigerated Warehouse-No Rail	44.37	44.37	44.37	129,042	129,042
<b>Total</b>	<b>117.45</b>	<b>117.45</b>	<b>117.45</b>	<b>341,581</b>	<b>341,581</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
Other Non-Asphalt Surfaces	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	10.00	5.00	6.50	59.00	0.00	41.00	92	5	3

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No	10.00	5.00	6.50	59.00	0.00	41.00	92	5	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Parking Lot	0.538353	0.056973	0.184081	0.133246	0.026575	0.006093	0.013235	0.009306	0.000942	0.000548	0.026135	0.001006	0.003507
Unrefrigerated Warehouse-No Rail	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

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

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas s 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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5431	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
Unmitigated	1.5431	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
<b>Total</b>	<b>1.5431</b>	<b>1.2000e-004</b>	<b>0.0130</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>0.0279</b>	<b>0.0279</b>	<b>7.0000e-005</b>		<b>0.0297</b>

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0130	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0279	0.0279	7.0000e-005		0.0297
<b>Total</b>	<b>1.5431</b>	<b>1.2000e-004</b>	<b>0.0130</b>	<b>0.0000</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>5.0000e-005</b>	<b>5.0000e-005</b>		<b>0.0279</b>	<b>0.0279</b>	<b>7.0000e-005</b>		<b>0.0297</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**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

Raley Boulevard and Diesel Drive Warehouses Project - Sacramento County, Winter

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

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Fire Pump	1	2	500	299	0.73	Diesel

**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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**10.1 Stationary Sources**

**Unmitigated/Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Fire Pump - Diesel (175 - 300 HP)	0.9812	2.7429	2.5023	4.7200e-003		0.1444	0.1444		0.1444	0.1444		502.0294	502.0294	0.0704		503.7891
<b>Total</b>	<b>0.9812</b>	<b>2.7429</b>	<b>2.5023</b>	<b>4.7200e-003</b>		<b>0.1444</b>	<b>0.1444</b>		<b>0.1444</b>	<b>0.1444</b>		<b>502.0294</b>	<b>502.0294</b>	<b>0.0704</b>		<b>503.7891</b>

**11.0 Vegetation**

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