

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Annual

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

**Whitman Trust VTTM**

**Santa Barbara-South of Santa Ynez Range County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	18.00	1000sqft	0.41	18,000.00	0
Recreational Swimming Pool	10.00	1000sqft	0.23	10,000.00	0
Single Family Housing	4.00	Dwelling Unit	12.46	36,594.00	11

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	8			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	630.89	<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 - CO2 Intensity Factor adjusted per SCAQMD guidance

Land Use - Project details. One private 2,500sf swimming pool assumed for each residence

Construction Phase - Estimated Project construction schedule

Off-road Equipment - Project construction equipment

Off-road Equipment - Project construction equipment

Off-road Equipment - Project construction equipment

Off-road Equipment -

Off-road Equipment - Project construction equipment

Off-road Equipment - Project construction equipment

Trips and VMT - Project construction worker schedule and hauling trips based on demoltion and balance of import (30,000 CY) and cut material (15,100 CY)

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Demolition -

Grading - Export calculated from balance of cut and fill, 30,000 CY required to elevate above base flood elevation.

Vehicle Trips - No additional trips assumed with private pools

Solid Waste - No additional solid waste assumed for private pools

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	300.00	226.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	20.00	23.00
tblGrading	AcresOfGrading	97.50	13.10
tblGrading	MaterialImported	0.00	14,900.00
tblLandUse	LandUseSquareFeet	7,200.00	36,594.00
tblLandUse	LotAcreage	1.30	12.46
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Residence Construction
tblOffRoadEquipment	PhaseName		Demolition of Existing Improvements
tblOffRoadEquipment	PhaseName		Access Road Installation
tblOffRoadEquipment	PhaseName		Utility and Drainage Improvements
tblOffRoadEquipment	PhaseName		Access Road Installation
tblOffRoadEquipment	PhaseName		Demolition of Existing Improvements
tblOffRoadEquipment	PhaseName		Utility and Drainage Improvements
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	630.89
tblSolidWaste	SolidWasteGenerationRate	57.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	28.82	0.00

**2.0 Emissions Summary**

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

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1136	1.2595	0.9848	2.6000e-003	0.0559	0.0489	0.1049	0.0110	0.0454	0.0563	0.0000	237.2918	237.2918	0.0550	0.0107	241.8537
2024	0.0872	0.6877	0.9500	1.6800e-003	0.0148	0.0277	0.0425	4.0000e-003	0.0270	0.0310	0.0000	141.7203	141.7203	0.0175	1.7700e-003	142.6851
2025	0.1556	0.0431	0.0674	1.2000e-004	1.5700e-003	1.7300e-003	3.3000e-003	4.2000e-004	1.7100e-003	2.1300e-003	0.0000	10.1792	10.1792	8.2000e-004	8.0000e-005	10.2251
<b>Maximum</b>	<b>0.1556</b>	<b>1.2595</b>	<b>0.9848</b>	<b>2.6000e-003</b>	<b>0.0559</b>	<b>0.0489</b>	<b>0.1049</b>	<b>0.0110</b>	<b>0.0454</b>	<b>0.0563</b>	<b>0.0000</b>	<b>237.2918</b>	<b>237.2918</b>	<b>0.0550</b>	<b>0.0107</b>	<b>241.8537</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.1136	1.2595	0.9848	2.6000e-003	0.0559	0.0489	0.1049	0.0110	0.0454	0.0563	0.0000	237.2916	237.2916	0.0550	0.0107	241.8535
2024	0.0872	0.6877	0.9500	1.6800e-003	0.0148	0.0277	0.0425	4.0000e-003	0.0270	0.0310	0.0000	141.7202	141.7202	0.0175	1.7700e-003	142.6850
2025	0.1556	0.0431	0.0674	1.2000e-004	1.5700e-003	1.7300e-003	3.3000e-003	4.2000e-004	1.7100e-003	2.1300e-003	0.0000	10.1792	10.1792	8.2000e-004	8.0000e-005	10.2251
<b>Maximum</b>	<b>0.1556</b>	<b>1.2595</b>	<b>0.9848</b>	<b>2.6000e-003</b>	<b>0.0559</b>	<b>0.0489</b>	<b>0.1049</b>	<b>0.0110</b>	<b>0.0454</b>	<b>0.0563</b>	<b>0.0000</b>	<b>237.2916</b>	<b>237.2916</b>	<b>0.0550</b>	<b>0.0107</b>	<b>241.8535</b>

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2023	8-31-2023	0.4811	0.4811
2	9-1-2023	11-30-2023	0.8609	0.8609
3	12-1-2023	2-29-2024	0.0558	0.0558
4	3-1-2024	5-31-2024	0.2222	0.2222
5	6-1-2024	8-31-2024	0.2221	0.2221
6	9-1-2024	11-30-2024	0.2200	0.2200
7	12-1-2024	2-28-2025	0.2639	0.2639
		Highest	0.8609	0.8609

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**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	0.1599	3.4000e-004	0.0299	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0490	0.0490	5.0000e-005	0.0000	0.0502
Energy	5.2000e-004	4.4000e-003	1.8700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	14.0502	14.0502	5.7000e-004	1.5000e-004	14.1091
Mobile	0.0162	0.0190	0.1322	2.4000e-004	0.0261	2.0000e-004	0.0263	6.9800e-003	1.8000e-004	7.1600e-003	0.0000	22.7647	22.7647	1.7800e-003	1.2700e-003	23.1874
Waste						0.0000	0.0000		0.0000	0.0000	0.9366	0.0000	0.9366	0.0464	0.0000	2.0976
Water						0.0000	0.0000		0.0000	0.0000	0.3015	1.8470	2.1484	1.1300e-003	6.7000e-004	2.3756
<b>Total</b>	<b>0.1767</b>	<b>0.0237</b>	<b>0.1640</b>	<b>2.7000e-004</b>	<b>0.0261</b>	<b>7.3000e-004</b>	<b>0.0268</b>	<b>6.9800e-003</b>	<b>7.1000e-004</b>	<b>7.6900e-003</b>	<b>1.2380</b>	<b>38.7109</b>	<b>39.9489</b>	<b>0.0500</b>	<b>2.0900e-003</b>	<b>41.8200</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1599	3.4000e-004	0.0299	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0490	0.0490	5.0000e-005	0.0000	0.0502
Energy	5.2000e-004	4.4000e-003	1.8700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	14.0502	14.0502	5.7000e-004	1.5000e-004	14.1091
Mobile	0.0162	0.0190	0.1322	2.4000e-004	0.0261	2.0000e-004	0.0263	6.9800e-003	1.8000e-004	7.1600e-003	0.0000	22.7647	22.7647	1.7800e-003	1.2700e-003	23.1874
Waste						0.0000	0.0000		0.0000	0.0000	0.9366	0.0000	0.9366	0.0464	0.0000	2.0976
Water						0.0000	0.0000		0.0000	0.0000	0.3015	1.8470	2.1484	1.1300e-003	6.7000e-004	2.3756
<b>Total</b>	<b>0.1767</b>	<b>0.0237</b>	<b>0.1640</b>	<b>2.7000e-004</b>	<b>0.0261</b>	<b>7.3000e-004</b>	<b>0.0268</b>	<b>6.9800e-003</b>	<b>7.1000e-004</b>	<b>7.6900e-003</b>	<b>1.2380</b>	<b>38.7109</b>	<b>39.9489</b>	<b>0.0500</b>	<b>2.0900e-003</b>	<b>41.8200</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition of Existing Improvements	Demolition	6/1/2023	7/28/2023	5	42	
2	Access Road Installation	Paving	7/31/2023	8/30/2023	5	23	
3	Utility and Drainage Improvements	Grading	9/1/2023	11/30/2023	5	65	

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4	Habitat Restoration	Grading	12/1/2023	2/29/2024	5	65
5	Residence Construction	Building Construction	3/1/2024	1/10/2025	5	226
6	Residence Architectural Coating	Architectural Coating	1/13/2025	2/28/2025	5	35

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

**Acres of Grading (Grading Phase): 13.1**

**Acres of Paving: 0.41**

**Residential Indoor: 74,103; Residential Outdoor: 24,701; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,080 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition of Existing Improvements	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Existing Improvements	Dumpers/Tenders	1	8.00	16	0.38
Demolition of Existing Improvements	Excavators	1	8.00	158	0.38
Demolition of Existing Improvements	Graders	1	8.00	187	0.41
Demolition of Existing Improvements	Rubber Tired Dozers	1	8.00	247	0.40
Access Road Installation	Dumpers/Tenders	1	8.00	16	0.38
Access Road Installation	Excavators	1	8.00	158	0.38
Access Road Installation	Pavers	1	8.00	130	0.42
Access Road Installation	Paving Equipment	1	8.00	132	0.36
Access Road Installation	Rollers	1	8.00	80	0.38
Utility and Drainage Improvements	Dumpers/Tenders	1	8.00	16	0.38
Utility and Drainage Improvements	Excavators	1	8.00	158	0.38
Utility and Drainage Improvements	Graders	1	8.00	187	0.41
Utility and Drainage Improvements	Scrapers	1	8.00	367	0.48
Utility and Drainage Improvements	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Utility and Drainage Improvements	Trenchers	1	8.00	78	0.50
Habitat Restoration	Tractors/Loaders/Backhoes	1	8.00	97	0.37



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Residence Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Residence Construction	Generator Sets	1	8.00	84	0.74
Residence Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residence Construction	Welders	1	8.00	46	0.45
Residence Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition of Existing Improvements	5	10.00	0.00	225.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Access Road Installation	5	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Utility and Drainage Improvements	6	10.00	0.00	1,888.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Habitat Restoration	1	10.00	1.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Residence Construction	4	15.00	5.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Residence Architectural Coating	1	10.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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**3.2 Demolition of Existing Improvements - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0247	0.0000	0.0247	3.7500e-003	0.0000	3.7500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0349	0.3439	0.2513	5.7000e-004		0.0146	0.0146		0.0136	0.0136	0.0000	49.9432	49.9432	0.0128	0.0000	50.2633
<b>Total</b>	<b>0.0349</b>	<b>0.3439</b>	<b>0.2513</b>	<b>5.7000e-004</b>	<b>0.0247</b>	<b>0.0146</b>	<b>0.0393</b>	<b>3.7500e-003</b>	<b>0.0136</b>	<b>0.0174</b>	<b>0.0000</b>	<b>49.9432</b>	<b>49.9432</b>	<b>0.0128</b>	<b>0.0000</b>	<b>50.2633</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	2.9000e-004	0.0186	4.7500e-003	7.0000e-005	1.9200e-003	1.4000e-004	2.0600e-003	5.3000e-004	1.3000e-004	6.6000e-004	0.0000	6.9991	6.9991	4.8000e-004	1.1200e-003	7.3454
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.9000e-004	4.1100e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	0.9999	0.9999	4.0000e-005	3.0000e-005	1.0111
<b>Total</b>	<b>8.3000e-004</b>	<b>0.0190</b>	<b>8.8600e-003</b>	<b>8.0000e-005</b>	<b>3.2200e-003</b>	<b>1.5000e-004</b>	<b>3.3600e-003</b>	<b>8.7000e-004</b>	<b>1.4000e-004</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>7.9990</b>	<b>7.9990</b>	<b>5.2000e-004</b>	<b>1.1500e-003</b>	<b>8.3565</b>

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**3.2 Demolition of Existing Improvements - 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					0.0247	0.0000	0.0247	3.7500e-003	0.0000	3.7500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0349	0.3439	0.2513	5.7000e-004		0.0146	0.0146		0.0136	0.0136	0.0000	49.9431	49.9431	0.0128	0.0000	50.2633
<b>Total</b>	<b>0.0349</b>	<b>0.3439</b>	<b>0.2513</b>	<b>5.7000e-004</b>	<b>0.0247</b>	<b>0.0146</b>	<b>0.0393</b>	<b>3.7500e-003</b>	<b>0.0136</b>	<b>0.0174</b>	<b>0.0000</b>	<b>49.9431</b>	<b>49.9431</b>	<b>0.0128</b>	<b>0.0000</b>	<b>50.2633</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	2.9000e-004	0.0186	4.7500e-003	7.0000e-005	1.9200e-003	1.4000e-004	2.0600e-003	5.3000e-004	1.3000e-004	6.6000e-004	0.0000	6.9991	6.9991	4.8000e-004	1.1200e-003	7.3454
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.4000e-004	3.9000e-004	4.1100e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3000e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	0.9999	0.9999	4.0000e-005	3.0000e-005	1.0111
<b>Total</b>	<b>8.3000e-004</b>	<b>0.0190</b>	<b>8.8600e-003</b>	<b>8.0000e-005</b>	<b>3.2200e-003</b>	<b>1.5000e-004</b>	<b>3.3600e-003</b>	<b>8.7000e-004</b>	<b>1.4000e-004</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>7.9990</b>	<b>7.9990</b>	<b>5.2000e-004</b>	<b>1.1500e-003</b>	<b>8.3565</b>

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

**3.3 Access Road Installation - 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	8.9500e-003	0.0818	0.1242	2.0000e-004		4.0100e-003	4.0100e-003		3.7000e-003	3.7000e-003	0.0000	17.3686	17.3686	5.4800e-003	0.0000	17.5056
Paving	5.4000e-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>9.4900e-003</b>	<b>0.0818</b>	<b>0.1242</b>	<b>2.0000e-004</b>		<b>4.0100e-003</b>	<b>4.0100e-003</b>		<b>3.7000e-003</b>	<b>3.7000e-003</b>	<b>0.0000</b>	<b>17.3686</b>	<b>17.3686</b>	<b>5.4800e-003</b>	<b>0.0000</b>	<b>17.5056</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.2000e-004	3.3800e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0700e-003	2.8000e-004	0.0000	2.9000e-004	0.0000	0.8214	0.8214	3.0000e-005	3.0000e-005	0.8305
<b>Total</b>	<b>4.4000e-004</b>	<b>3.2000e-004</b>	<b>3.3800e-003</b>	<b>1.0000e-005</b>	<b>1.0700e-003</b>	<b>1.0000e-005</b>	<b>1.0700e-003</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.8214</b>	<b>0.8214</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.8305</b>

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**3.3 Access Road Installation - 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	8.9500e-003	0.0818	0.1242	2.0000e-004		4.0100e-003	4.0100e-003		3.7000e-003	3.7000e-003	0.0000	17.3686	17.3686	5.4800e-003	0.0000	17.5056
Paving	5.4000e-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>9.4900e-003</b>	<b>0.0818</b>	<b>0.1242</b>	<b>2.0000e-004</b>		<b>4.0100e-003</b>	<b>4.0100e-003</b>		<b>3.7000e-003</b>	<b>3.7000e-003</b>	<b>0.0000</b>	<b>17.3686</b>	<b>17.3686</b>	<b>5.4800e-003</b>	<b>0.0000</b>	<b>17.5056</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.2000e-004	3.3800e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0700e-003	2.8000e-004	0.0000	2.9000e-004	0.0000	0.8214	0.8214	3.0000e-005	3.0000e-005	0.8305
<b>Total</b>	<b>4.4000e-004</b>	<b>3.2000e-004</b>	<b>3.3800e-003</b>	<b>1.0000e-005</b>	<b>1.0700e-003</b>	<b>1.0000e-005</b>	<b>1.0700e-003</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.8214</b>	<b>0.8214</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.8305</b>

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

**3.4 Utility and Drainage Improvements - 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					8.0500e-003	0.0000	8.0500e-003	9.2000e-004	0.0000	9.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0627	0.6409	0.5253	1.1100e-003		0.0282	0.0282		0.0260	0.0260	0.0000	97.3193	97.3193	0.0311	0.0000	98.0965
<b>Total</b>	<b>0.0627</b>	<b>0.6409</b>	<b>0.5253</b>	<b>1.1100e-003</b>	<b>8.0500e-003</b>	<b>0.0282</b>	<b>0.0363</b>	<b>9.2000e-004</b>	<b>0.0260</b>	<b>0.0269</b>	<b>0.0000</b>	<b>97.3193</b>	<b>97.3193</b>	<b>0.0311</b>	<b>0.0000</b>	<b>98.0965</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	2.4100e-003	0.1562	0.0398	5.7000e-004	0.0161	1.1700e-003	0.0173	4.4200e-003	1.1200e-003	5.5400e-003	0.0000	58.7298	58.7298	4.0500e-003	9.4100e-003	61.6361
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4000e-004	6.0000e-004	6.3700e-003	2.0000e-005	2.0100e-003	1.0000e-005	2.0200e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5475	1.5475	6.0000e-005	5.0000e-005	1.5648
<b>Total</b>	<b>3.2500e-003</b>	<b>0.1568</b>	<b>0.0462</b>	<b>5.9000e-004</b>	<b>0.0181</b>	<b>1.1800e-003</b>	<b>0.0193</b>	<b>4.9500e-003</b>	<b>1.1300e-003</b>	<b>6.0800e-003</b>	<b>0.0000</b>	<b>60.2773</b>	<b>60.2773</b>	<b>4.1100e-003</b>	<b>9.4600e-003</b>	<b>63.2009</b>

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**3.4 Utility and Drainage Improvements - 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					8.0500e-003	0.0000	8.0500e-003	9.2000e-004	0.0000	9.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0627	0.6409	0.5253	1.1100e-003		0.0282	0.0282		0.0260	0.0260	0.0000	97.3192	97.3192	0.0311	0.0000	98.0964
<b>Total</b>	<b>0.0627</b>	<b>0.6409</b>	<b>0.5253</b>	<b>1.1100e-003</b>	<b>8.0500e-003</b>	<b>0.0282</b>	<b>0.0363</b>	<b>9.2000e-004</b>	<b>0.0260</b>	<b>0.0269</b>	<b>0.0000</b>	<b>97.3192</b>	<b>97.3192</b>	<b>0.0311</b>	<b>0.0000</b>	<b>98.0964</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	2.4100e-003	0.1562	0.0398	5.7000e-004	0.0161	1.1700e-003	0.0173	4.4200e-003	1.1200e-003	5.5400e-003	0.0000	58.7298	58.7298	4.0500e-003	9.4100e-003	61.6361
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.4000e-004	6.0000e-004	6.3700e-003	2.0000e-005	2.0100e-003	1.0000e-005	2.0200e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5475	1.5475	6.0000e-005	5.0000e-005	1.5648
<b>Total</b>	<b>3.2500e-003</b>	<b>0.1568</b>	<b>0.0462</b>	<b>5.9000e-004</b>	<b>0.0181</b>	<b>1.1800e-003</b>	<b>0.0193</b>	<b>4.9500e-003</b>	<b>1.1300e-003</b>	<b>6.0800e-003</b>	<b>0.0000</b>	<b>60.2773</b>	<b>60.2773</b>	<b>4.1100e-003</b>	<b>9.4600e-003</b>	<b>63.2009</b>

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

**3.5 Habitat Restoration - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5900e-003	0.0161	0.0234	3.0000e-005		8.0000e-004	8.0000e-004		7.3000e-004	7.3000e-004	0.0000	2.8727	2.8727	9.3000e-004	0.0000	2.8959
<b>Total</b>	<b>1.5900e-003</b>	<b>0.0161</b>	<b>0.0234</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-004</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>7.3000e-004</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>2.8727</b>	<b>2.8727</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>2.8959</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	1.0000e-005	5.1000e-004	1.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1904	0.1904	1.0000e-005	3.0000e-005	0.1990
Worker	2.7000e-004	1.9000e-004	2.0600e-003	1.0000e-005	6.5000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5000	0.5000	2.0000e-005	2.0000e-005	0.5055
<b>Total</b>	<b>2.8000e-004</b>	<b>7.0000e-004</b>	<b>2.2300e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.1000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6904</b>	<b>0.6904</b>	<b>3.0000e-005</b>	<b>5.0000e-005</b>	<b>0.7045</b>



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

**3.5 Habitat Restoration - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5900e-003	0.0161	0.0234	3.0000e-005		8.0000e-004	8.0000e-004		7.3000e-004	7.3000e-004	0.0000	2.8727	2.8727	9.3000e-004	0.0000	2.8959
<b>Total</b>	<b>1.5900e-003</b>	<b>0.0161</b>	<b>0.0234</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-004</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>7.3000e-004</b>	<b>7.3000e-004</b>	<b>0.0000</b>	<b>2.8727</b>	<b>2.8727</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>2.8959</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	1.0000e-005	5.1000e-004	1.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.1904	0.1904	1.0000e-005	3.0000e-005	0.1990
Worker	2.7000e-004	1.9000e-004	2.0600e-003	1.0000e-005	6.5000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5000	0.5000	2.0000e-005	2.0000e-005	0.5055
<b>Total</b>	<b>2.8000e-004</b>	<b>7.0000e-004</b>	<b>2.2300e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.1000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6904</b>	<b>0.6904</b>	<b>3.0000e-005</b>	<b>5.0000e-005</b>	<b>0.7045</b>

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

**3.5 Habitat Restoration - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1700e-003	0.0319	0.0492	7.0000e-005		1.4600e-003	1.4600e-003		1.3500e-003	1.3500e-003	0.0000	6.0227	6.0227	1.9500e-003	0.0000	6.0714
<b>Total</b>	<b>3.1700e-003</b>	<b>0.0319</b>	<b>0.0492</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.4600e-003</b>	<b>1.4600e-003</b>	<b>0.0000</b>	<b>1.3500e-003</b>	<b>1.3500e-003</b>	<b>0.0000</b>	<b>6.0227</b>	<b>6.0227</b>	<b>1.9500e-003</b>	<b>0.0000</b>	<b>6.0714</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.0500e-003	3.5000e-004	0.0000	1.3000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3925	0.3925	2.0000e-005	6.0000e-005	0.4102
Worker	5.3000e-004	3.6000e-004	4.0100e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0227	1.0227	4.0000e-005	3.0000e-005	1.0335
<b>Total</b>	<b>5.6000e-004</b>	<b>1.4100e-003</b>	<b>4.3600e-003</b>	<b>1.0000e-005</b>	<b>1.4900e-003</b>	<b>2.0000e-005</b>	<b>1.5000e-003</b>	<b>4.0000e-004</b>	<b>2.0000e-005</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>1.4152</b>	<b>1.4152</b>	<b>6.0000e-005</b>	<b>9.0000e-005</b>	<b>1.4437</b>

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

**3.5 Habitat Restoration - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1700e-003	0.0319	0.0492	7.0000e-005		1.4600e-003	1.4600e-003		1.3500e-003	1.3500e-003	0.0000	6.0227	6.0227	1.9500e-003	0.0000	6.0714
<b>Total</b>	<b>3.1700e-003</b>	<b>0.0319</b>	<b>0.0492</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.4600e-003</b>	<b>1.4600e-003</b>	<b>0.0000</b>	<b>1.3500e-003</b>	<b>1.3500e-003</b>	<b>0.0000</b>	<b>6.0227</b>	<b>6.0227</b>	<b>1.9500e-003</b>	<b>0.0000</b>	<b>6.0714</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.0500e-003	3.5000e-004	0.0000	1.3000e-004	1.0000e-005	1.3000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3925	0.3925	2.0000e-005	6.0000e-005	0.4102
Worker	5.3000e-004	3.6000e-004	4.0100e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.0227	1.0227	4.0000e-005	3.0000e-005	1.0335
<b>Total</b>	<b>5.6000e-004</b>	<b>1.4100e-003</b>	<b>4.3600e-003</b>	<b>1.0000e-005</b>	<b>1.4900e-003</b>	<b>2.0000e-005</b>	<b>1.5000e-003</b>	<b>4.0000e-004</b>	<b>2.0000e-005</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>1.4152</b>	<b>1.4152</b>	<b>6.0000e-005</b>	<b>9.0000e-005</b>	<b>1.4437</b>

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

**3.6 Residence Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0789	0.6259	0.8580	1.4100e-003		0.0261	0.0261		0.0255	0.0255	0.0000	116.9585	116.9585	0.0148	0.0000	117.3274
<b>Total</b>	<b>0.0789</b>	<b>0.6259</b>	<b>0.8580</b>	<b>1.4100e-003</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0255</b>	<b>0.0255</b>	<b>0.0000</b>	<b>116.9585</b>	<b>116.9585</b>	<b>0.0148</b>	<b>0.0000</b>	<b>117.3274</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	6.6000e-004	0.0259	8.6600e-003	1.0000e-004	3.1700e-003	1.5000e-004	3.3200e-003	9.2000e-004	1.4000e-004	1.0600e-003	0.0000	9.7236	9.7236	4.2000e-004	1.4300e-003	10.1616
Worker	3.9400e-003	2.6800e-003	0.0298	8.0000e-005	0.0101	5.0000e-005	0.0102	2.6800e-003	4.0000e-005	2.7300e-003	0.0000	7.6003	7.6003	2.7000e-004	2.5000e-004	7.6810
<b>Total</b>	<b>4.6000e-003</b>	<b>0.0286</b>	<b>0.0385</b>	<b>1.8000e-004</b>	<b>0.0133</b>	<b>2.0000e-004</b>	<b>0.0135</b>	<b>3.6000e-003</b>	<b>1.8000e-004</b>	<b>3.7900e-003</b>	<b>0.0000</b>	<b>17.3240</b>	<b>17.3240</b>	<b>6.9000e-004</b>	<b>1.6800e-003</b>	<b>17.8426</b>

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**3.6 Residence Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0789	0.6259	0.8580	1.4100e-003		0.0261	0.0261		0.0255	0.0255	0.0000	116.9584	116.9584	0.0148	0.0000	117.3273
<b>Total</b>	<b>0.0789</b>	<b>0.6259</b>	<b>0.8580</b>	<b>1.4100e-003</b>		<b>0.0261</b>	<b>0.0261</b>		<b>0.0255</b>	<b>0.0255</b>	<b>0.0000</b>	<b>116.9584</b>	<b>116.9584</b>	<b>0.0148</b>	<b>0.0000</b>	<b>117.3273</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	6.6000e-004	0.0259	8.6600e-003	1.0000e-004	3.1700e-003	1.5000e-004	3.3200e-003	9.2000e-004	1.4000e-004	1.0600e-003	0.0000	9.7236	9.7236	4.2000e-004	1.4300e-003	10.1616
Worker	3.9400e-003	2.6800e-003	0.0298	8.0000e-005	0.0101	5.0000e-005	0.0102	2.6800e-003	4.0000e-005	2.7300e-003	0.0000	7.6003	7.6003	2.7000e-004	2.5000e-004	7.6810
<b>Total</b>	<b>4.6000e-003</b>	<b>0.0286</b>	<b>0.0385</b>	<b>1.8000e-004</b>	<b>0.0133</b>	<b>2.0000e-004</b>	<b>0.0135</b>	<b>3.6000e-003</b>	<b>1.8000e-004</b>	<b>3.7900e-003</b>	<b>0.0000</b>	<b>17.3240</b>	<b>17.3240</b>	<b>6.9000e-004</b>	<b>1.6800e-003</b>	<b>17.8426</b>

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**3.6 Residence Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7100e-003	0.0218	0.0314	5.0000e-005		8.2000e-004	8.2000e-004		8.0000e-004	8.0000e-004	0.0000	4.2931	4.2931	5.3000e-004	0.0000	4.3063
<b>Total</b>	<b>2.7100e-003</b>	<b>0.0218</b>	<b>0.0314</b>	<b>5.0000e-005</b>		<b>8.2000e-004</b>	<b>8.2000e-004</b>		<b>8.0000e-004</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>4.2931</b>	<b>4.2931</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>4.3063</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	2.0000e-005	9.3000e-004	3.1000e-004	0.0000	1.2000e-004	1.0000e-005	1.2000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3504	0.3504	2.0000e-005	5.0000e-005	0.3663
Worker	1.4000e-004	9.0000e-005	1.0200e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2725	0.2725	1.0000e-005	1.0000e-005	0.2753
<b>Total</b>	<b>1.6000e-004</b>	<b>1.0200e-003</b>	<b>1.3300e-003</b>	<b>0.0000</b>	<b>4.9000e-004</b>	<b>1.0000e-005</b>	<b>4.9000e-004</b>	<b>1.3000e-004</b>	<b>1.0000e-005</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.6230</b>	<b>0.6230</b>	<b>3.0000e-005</b>	<b>6.0000e-005</b>	<b>0.6416</b>

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**3.6 Residence Construction - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.7100e-003	0.0218	0.0314	5.0000e-005		8.2000e-004	8.2000e-004		8.0000e-004	8.0000e-004	0.0000	4.2931	4.2931	5.3000e-004	0.0000	4.3063
<b>Total</b>	<b>2.7100e-003</b>	<b>0.0218</b>	<b>0.0314</b>	<b>5.0000e-005</b>		<b>8.2000e-004</b>	<b>8.2000e-004</b>		<b>8.0000e-004</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>4.2931</b>	<b>4.2931</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>4.3063</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	2.0000e-005	9.3000e-004	3.1000e-004	0.0000	1.2000e-004	1.0000e-005	1.2000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.3504	0.3504	2.0000e-005	5.0000e-005	0.3663
Worker	1.4000e-004	9.0000e-005	1.0200e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2725	0.2725	1.0000e-005	1.0000e-005	0.2753
<b>Total</b>	<b>1.6000e-004</b>	<b>1.0200e-003</b>	<b>1.3300e-003</b>	<b>0.0000</b>	<b>4.9000e-004</b>	<b>1.0000e-005</b>	<b>4.9000e-004</b>	<b>1.3000e-004</b>	<b>1.0000e-005</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.6230</b>	<b>0.6230</b>	<b>3.0000e-005</b>	<b>6.0000e-005</b>	<b>0.6416</b>

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

**3.7 Residence Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1494					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
<b>Total</b>	<b>0.1524</b>	<b>0.0201</b>	<b>0.0317</b>	<b>5.0000e-005</b>		<b>9.0000e-004</b>	<b>9.0000e-004</b>		<b>9.0000e-004</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>4.4743</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	2.9800e-003	1.0000e-005	1.0800e-003	0.0000	1.0900e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.7949	0.7949	3.0000e-005	2.0000e-005	0.8029
<b>Total</b>	<b>4.0000e-004</b>	<b>2.6000e-004</b>	<b>2.9800e-003</b>	<b>1.0000e-005</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>1.0900e-003</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.7949</b>	<b>0.7949</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>0.8029</b>



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**3.7 Residence Architectural Coating - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1494					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9900e-003	0.0201	0.0317	5.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	4.4682	4.4682	2.4000e-004	0.0000	4.4743
<b>Total</b>	<b>0.1524</b>	<b>0.0201</b>	<b>0.0317</b>	<b>5.0000e-005</b>		<b>9.0000e-004</b>	<b>9.0000e-004</b>		<b>9.0000e-004</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>4.4682</b>	<b>4.4682</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>4.4743</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.6000e-004	2.9800e-003	1.0000e-005	1.0800e-003	0.0000	1.0900e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.7949	0.7949	3.0000e-005	2.0000e-005	0.8029
<b>Total</b>	<b>4.0000e-004</b>	<b>2.6000e-004</b>	<b>2.9800e-003</b>	<b>1.0000e-005</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>1.0900e-003</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.7949</b>	<b>0.7949</b>	<b>3.0000e-005</b>	<b>2.0000e-005</b>	<b>0.8029</b>

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive 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	0.0162	0.0190	0.1322	2.4000e-004	0.0261	2.0000e-004	0.0263	6.9800e-003	1.8000e-004	7.1600e-003	0.0000	22.7647	22.7647	1.7800e-003	1.2700e-003	23.1874
Unmitigated	0.0162	0.0190	0.1322	2.4000e-004	0.0261	2.0000e-004	0.0263	6.9800e-003	1.8000e-004	7.1600e-003	0.0000	22.7647	22.7647	1.7800e-003	1.2700e-003	23.1874

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	37.76	38.16	34.20	69,111	69,111
<b>Total</b>	<b>37.76</b>	<b>38.16</b>	<b>34.20</b>	<b>69,111</b>	<b>69,111</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 Asphalt Surfaces	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	6.60	5.50	6.40	33.00	48.00	19.00	52	39	9
Single Family Housing	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3

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**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.499590	0.054528	0.207373	0.147926	0.027658	0.006798	0.011091	0.006226	0.000954	0.000578	0.029982	0.003446	0.003849
Recreational Swimming Pool	0.499590	0.054528	0.207373	0.147926	0.027658	0.006798	0.011091	0.006226	0.000954	0.000578	0.029982	0.003446	0.003849
Single Family Housing	0.499590	0.054528	0.207373	0.147926	0.027658	0.006798	0.011091	0.006226	0.000954	0.000578	0.029982	0.003446	0.003849

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8.9491	8.9491	4.7000e-004	6.0000e-005	8.9777
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	8.9491	8.9491	4.7000e-004	6.0000e-005	8.9777
NaturalGas Mitigated	5.2000e-004	4.4000e-003	1.8700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1011	5.1011	1.0000e-004	9.0000e-005	5.1314
NaturalGas Unmitigated	5.2000e-004	4.4000e-003	1.8700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1011	5.1011	1.0000e-004	9.0000e-005	5.1314

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	95591	5.2000e-004	4.4000e-003	1.8700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1011	5.1011	1.0000e-004	9.0000e-005	5.1314
<b>Total</b>		<b>5.2000e-004</b>	<b>4.4000e-003</b>	<b>1.8700e-003</b>	<b>3.0000e-005</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>5.1011</b>	<b>5.1011</b>	<b>1.0000e-004</b>	<b>9.0000e-005</b>	<b>5.1314</b>

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

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	95591	5.2000e-004	4.4000e-003	1.8700e-003	3.0000e-005		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	5.1011	5.1011	1.0000e-004	9.0000e-005	5.1314
<b>Total</b>		<b>5.2000e-004</b>	<b>4.4000e-003</b>	<b>1.8700e-003</b>	<b>3.0000e-005</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>		<b>3.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>5.1011</b>	<b>5.1011</b>	<b>1.0000e-004</b>	<b>9.0000e-005</b>	<b>5.1314</b>

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	31272.4	8.9491	4.7000e-004	6.0000e-005	8.9777
<b>Total</b>		<b>8.9491</b>	<b>4.7000e-004</b>	<b>6.0000e-005</b>	<b>8.9777</b>

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

**5.3 Energy by Land Use - Electricity**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	31272.4	8.9491	4.7000e-004	6.0000e-005	8.9777
<b>Total</b>		<b>8.9491</b>	<b>4.7000e-004</b>	<b>6.0000e-005</b>	<b>8.9777</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1599	3.4000e-004	0.0299	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0490	0.0490	5.0000e-005	0.0000	0.0502
Unmitigated	0.1599	3.4000e-004	0.0299	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0490	0.0490	5.0000e-005	0.0000	0.0502

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1441					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.1000e-004	3.4000e-004	0.0299	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0490	0.0490	5.0000e-005	0.0000	0.0502
<b>Total</b>	<b>0.1599</b>	<b>3.4000e-004</b>	<b>0.0299</b>	<b>0.0000</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.0490</b>	<b>0.0490</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0502</b>



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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1441					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	9.1000e-004	3.4000e-004	0.0299	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0490	0.0490	5.0000e-005	0.0000	0.0502
<b>Total</b>	<b>0.1599</b>	<b>3.4000e-004</b>	<b>0.0299</b>	<b>0.0000</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.0490</b>	<b>0.0490</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0502</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.1484	1.1300e-003	6.7000e-004	2.3756
Unmitigated	2.1484	1.1300e-003	6.7000e-004	2.3756

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0.591431 / 0.36249	1.4881	7.9000e-004	4.6000e-004	1.6458
Single Family Housing	0.260616 / 0.164301	0.6603	3.5000e-004	2.0000e-004	0.7298
<b>Total</b>		<b>2.1484</b>	<b>1.1400e-003</b>	<b>6.6000e-004</b>	<b>2.3756</b>

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

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0.591431 / 0.36249	1.4881	7.9000e-004	4.6000e-004	1.6458
Single Family Housing	0.260616 / 0.164301	0.6603	3.5000e-004	2.0000e-004	0.7298
<b>Total</b>		<b>2.1484</b>	<b>1.1400e-003</b>	<b>6.6000e-004</b>	<b>2.3756</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.9366	0.0464	0.0000	2.0976
Unmitigated	0.9366	0.0464	0.0000	2.0976

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.51	0.9366	0.0464	0.0000	2.0976
<b>Total</b>		<b>0.9366</b>	<b>0.0464</b>	<b>0.0000</b>	<b>2.0976</b>

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

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.51	0.9366	0.0464	0.0000	2.0976
<b>Total</b>		<b>0.9366</b>	<b>0.0464</b>	<b>0.0000</b>	<b>2.0976</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

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

**11.0 Vegetation**

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Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**Whitman Trust VTTM**

**Santa Barbara-South of Santa Ynez Range County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	18.00	1000sqft	0.41	18,000.00	0
Recreational Swimming Pool	10.00	1000sqft	0.23	10,000.00	0
Single Family Housing	4.00	Dwelling Unit	12.46	36,594.00	11

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	8			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	630.89	<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 - CO2 Intensity Factor adjusted per SCAQMD guidance

Land Use - Project details. One private 2,500sf swimming pool assumed for each residence

Construction Phase - Estimated Project construction schedule

Off-road Equipment - Project construction equipment

Off-road Equipment - Project construction equipment

Off-road Equipment - Project construction equipment

Off-road Equipment -

Off-road Equipment - Project construction equipment

Off-road Equipment - Project construction equipment

Trips and VMT - Project construction worker schedule and hauling trips based on demoltion and balance of import (30,000 CY) and cut material (15,100 CY)

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

Demolition -

Grading - Export calculated from balance of cut and fill, 30,000 CY required to elevate above base flood elevation.

Vehicle Trips - No additional trips assumed with private pools

Solid Waste - No additional solid waste assumed for private pools

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	300.00	226.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	20.00	23.00
tblGrading	AcresOfGrading	97.50	13.10
tblGrading	MaterialImported	0.00	14,900.00
tblLandUse	LandUseSquareFeet	7,200.00	36,594.00
tblLandUse	LotAcreage	1.30	12.46
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00



Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Residence Construction
tblOffRoadEquipment	PhaseName		Demolition of Existing Improvements
tblOffRoadEquipment	PhaseName		Access Road Installation
tblOffRoadEquipment	PhaseName		Utility and Drainage Improvements
tblOffRoadEquipment	PhaseName		Access Road Installation
tblOffRoadEquipment	PhaseName		Demolition of Existing Improvements
tblOffRoadEquipment	PhaseName		Utility and Drainage Improvements
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	630.89
tblSolidWaste	SolidWasteGenerationRate	57.00	0.00
tblTripsAndVMT	HaulingTripNumber	1,888.00	1,863.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	28.82	0.00

**2.0 Emissions Summary**

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.0303	24.3092	17.5603	0.0521	1.3347	0.9047	2.0348	0.2207	0.8350	1.0166	0.0000	5,319.2990	5,319.2990	1.1921	0.3166	5,443.4416
2024	0.7653	5.9934	8.2190	0.0146	0.1244	0.2408	0.3652	0.0337	0.2354	0.2690	0.0000	1,359.4522	1,359.4522	0.1561	0.0168	1,368.3664
2025	8.7285	5.6853	8.1768	0.0146	0.1244	0.2064	0.3308	0.0337	0.2020	0.2357	0.0000	1,356.1846	1,356.1846	0.1525	0.0164	1,364.8909
<b>Maximum</b>	<b>8.7285</b>	<b>24.3092</b>	<b>17.5603</b>	<b>0.0521</b>	<b>1.3347</b>	<b>0.9047</b>	<b>2.0348</b>	<b>0.2207</b>	<b>0.8350</b>	<b>1.0166</b>	<b>0.0000</b>	<b>5,319.2990</b>	<b>5,319.2990</b>	<b>1.1921</b>	<b>0.3166</b>	<b>5,443.4416</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.0303	24.3092	17.5603	0.0521	1.3347	0.9047	2.0348	0.2207	0.8350	1.0166	0.0000	5,319.2990	5,319.2990	1.1921	0.3166	5,443.4416
2024	0.7653	5.9934	8.2190	0.0146	0.1244	0.2408	0.3652	0.0337	0.2354	0.2690	0.0000	1,359.4522	1,359.4522	0.1561	0.0168	1,368.3664
2025	8.7285	5.6853	8.1768	0.0146	0.1244	0.2064	0.3308	0.0337	0.2020	0.2357	0.0000	1,356.1846	1,356.1846	0.1525	0.0164	1,364.8909
<b>Maximum</b>	<b>8.7285</b>	<b>24.3092</b>	<b>17.5603</b>	<b>0.0521</b>	<b>1.3347</b>	<b>0.9047</b>	<b>2.0348</b>	<b>0.2207</b>	<b>0.8350</b>	<b>1.0166</b>	<b>0.0000</b>	<b>5,319.2990</b>	<b>5,319.2990</b>	<b>1.1921</b>	<b>0.3166</b>	<b>5,443.4416</b>



Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8815	3.8200e-003	0.3325	2.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	0.6003	0.6003	5.8000e-004	0.0000	0.6150
Energy	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.8110	30.8110	5.9000e-004	5.6000e-004	30.9941
Mobile	0.0936	0.0993	0.7028	1.3700e-003	0.1497	1.1100e-003	0.1508	0.0400	1.0400e-003	0.0411		143.1943	143.1943	0.0104	7.5200e-003	145.6941
<b>Total</b>	<b>0.9779</b>	<b>0.1272</b>	<b>1.0456</b>	<b>1.5400e-003</b>	<b>0.1497</b>	<b>4.9000e-003</b>	<b>0.1546</b>	<b>0.0400</b>	<b>4.8300e-003</b>	<b>0.0448</b>	<b>0.0000</b>	<b>174.6056</b>	<b>174.6056</b>	<b>0.0116</b>	<b>8.0800e-003</b>	<b>177.3031</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8815	3.8200e-003	0.3325	2.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	0.6003	0.6003	5.8000e-004	0.0000	0.6150
Energy	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.8110	30.8110	5.9000e-004	5.6000e-004	30.9941
Mobile	0.0936	0.0993	0.7028	1.3700e-003	0.1497	1.1100e-003	0.1508	0.0400	1.0400e-003	0.0411		143.1943	143.1943	0.0104	7.5200e-003	145.6941
<b>Total</b>	<b>0.9779</b>	<b>0.1272</b>	<b>1.0456</b>	<b>1.5400e-003</b>	<b>0.1497</b>	<b>4.9000e-003</b>	<b>0.1546</b>	<b>0.0400</b>	<b>4.8300e-003</b>	<b>0.0448</b>	<b>0.0000</b>	<b>174.6056</b>	<b>174.6056</b>	<b>0.0116</b>	<b>8.0800e-003</b>	<b>177.3031</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition of Existing Improvements	Demolition	6/1/2023	7/28/2023	5	42	
2	Access Road Installation	Paving	7/31/2023	8/30/2023	5	23	
3	Utility and Drainage Improvements	Grading	9/1/2023	11/30/2023	5	65	
4	Habitat Restoration	Grading	12/1/2023	2/29/2024	5	65	
5	Residence Construction	Building Construction	3/1/2024	1/10/2025	5	226	
6	Residence Architectural Coating	Architectural Coating	1/13/2025	2/28/2025	5	35	

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

**Acres of Grading (Grading Phase): 13.1**

**Acres of Paving: 0.41**

**Residential Indoor: 74,103; Residential Outdoor: 24,701; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,080 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition of Existing Improvements	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Existing Improvements	Dumpers/Tenders	1	8.00	16	0.38
Demolition of Existing Improvements	Excavators	1	8.00	158	0.38
Demolition of Existing Improvements	Graders	1	8.00	187	0.41
Demolition of Existing Improvements	Rubber Tired Dozers	1	8.00	247	0.40

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

Access Road Installation	Dumpers/Tenders	1	8.00	16	0.38
Access Road Installation	Excavators	1	8.00	158	0.38
Access Road Installation	Pavers	1	8.00	130	0.42
Access Road Installation	Paving Equipment	1	8.00	132	0.36
Access Road Installation	Rollers	1	8.00	80	0.38
Utility and Drainage Improvements	Dumpers/Tenders	1	8.00	16	0.38
Utility and Drainage Improvements	Excavators	1	8.00	158	0.38
Utility and Drainage Improvements	Graders	1	8.00	187	0.41
Utility and Drainage Improvements	Scrapers	1	8.00	367	0.48
Utility and Drainage Improvements	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Utility and Drainage Improvements	Trenchers	1	8.00	78	0.50
Habitat Restoration	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residence Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Residence Construction	Generator Sets	1	8.00	84	0.74
Residence Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residence Construction	Welders	1	8.00	46	0.45
Residence Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition of Existing Improvements	5	10.00	0.00	225.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Access Road Installation	5	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Utility and Drainage Improvements	6	10.00	0.00	1,863.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Habitat Restoration	1	10.00	1.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Residence Construction	4	15.00	5.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Residence Architectural Coating	1	10.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.2 Demolition of Existing Improvements - 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					1.1783	0.0000	1.1783	0.1784	0.0000	0.1784			0.0000			0.0000
Off-Road	1.6640	16.3776	11.9649	0.0273		0.6931	0.6931		0.6493	0.6493		2,621.5675	2,621.5675	0.6722		2,638.3730
<b>Total</b>	<b>1.6640</b>	<b>16.3776</b>	<b>11.9649</b>	<b>0.0273</b>	<b>1.1783</b>	<b>0.6931</b>	<b>1.8714</b>	<b>0.1784</b>	<b>0.6493</b>	<b>0.8278</b>		<b>2,621.5675</b>	<b>2,621.5675</b>	<b>0.6722</b>		<b>2,638.3730</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	0.0139	0.8550	0.2253	3.2400e-003	0.0933	6.6400e-003	0.0999	0.0255	6.3500e-003	0.0319		367.2737	367.2737	0.0254	0.0589	385.4482
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	0.0254	0.0165	0.1933	5.2000e-004	0.0632	3.1000e-004	0.0635	0.0168	2.8000e-004	0.0170		53.5220	53.5220	1.9000e-003	1.6700e-003	54.0685
<b>Total</b>	<b>0.0393</b>	<b>0.8715</b>	<b>0.4186</b>	<b>3.7600e-003</b>	<b>0.1564</b>	<b>6.9500e-003</b>	<b>0.1634</b>	<b>0.0423</b>	<b>6.6300e-003</b>	<b>0.0489</b>		<b>420.7957</b>	<b>420.7957</b>	<b>0.0273</b>	<b>0.0605</b>	<b>439.5168</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.2 Demolition of Existing Improvements - 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					1.1783	0.0000	1.1783	0.1784	0.0000	0.1784			0.0000			0.0000
Off-Road	1.6640	16.3776	11.9649	0.0273		0.6931	0.6931		0.6493	0.6493	0.0000	2,621.5675	2,621.5675	0.6722		2,638.3730
<b>Total</b>	<b>1.6640</b>	<b>16.3776</b>	<b>11.9649</b>	<b>0.0273</b>	<b>1.1783</b>	<b>0.6931</b>	<b>1.8714</b>	<b>0.1784</b>	<b>0.6493</b>	<b>0.8278</b>	<b>0.0000</b>	<b>2,621.5675</b>	<b>2,621.5675</b>	<b>0.6722</b>		<b>2,638.3730</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	0.0139	0.8550	0.2253	3.2400e-003	0.0933	6.6400e-003	0.0999	0.0255	6.3500e-003	0.0319		367.2737	367.2737	0.0254	0.0589	385.4482
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	0.0254	0.0165	0.1933	5.2000e-004	0.0632	3.1000e-004	0.0635	0.0168	2.8000e-004	0.0170		53.5220	53.5220	1.9000e-003	1.6700e-003	54.0685
<b>Total</b>	<b>0.0393</b>	<b>0.8715</b>	<b>0.4186</b>	<b>3.7600e-003</b>	<b>0.1564</b>	<b>6.9500e-003</b>	<b>0.1634</b>	<b>0.0423</b>	<b>6.6300e-003</b>	<b>0.0489</b>		<b>420.7957</b>	<b>420.7957</b>	<b>0.0273</b>	<b>0.0605</b>	<b>439.5168</b>



Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.3 Access Road Installation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7785	7.1090	10.8007	0.0173		0.3483	0.3483		0.3218	0.3218		1,664.8380	1,664.8380	0.5253		1,677.9699
Paving	0.0467					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8252</b>	<b>7.1090</b>	<b>10.8007</b>	<b>0.0173</b>		<b>0.3483</b>	<b>0.3483</b>		<b>0.3218</b>	<b>0.3218</b>		<b>1,664.8380</b>	<b>1,664.8380</b>	<b>0.5253</b>		<b>1,677.9699</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	0.0381	0.0248	0.2899	7.8000e-004	0.0947	4.6000e-004	0.0952	0.0251	4.3000e-004	0.0256		80.2830	80.2830	2.8500e-003	2.5100e-003	81.1028
<b>Total</b>	<b>0.0381</b>	<b>0.0248</b>	<b>0.2899</b>	<b>7.8000e-004</b>	<b>0.0947</b>	<b>4.6000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.3000e-004</b>	<b>0.0256</b>		<b>80.2830</b>	<b>80.2830</b>	<b>2.8500e-003</b>	<b>2.5100e-003</b>	<b>81.1028</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.3 Access Road Installation - 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	0.7785	7.1090	10.8007	0.0173		0.3483	0.3483		0.3218	0.3218	0.0000	1,664.8380	1,664.8380	0.5253		1,677.9699
Paving	0.0467					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8252</b>	<b>7.1090</b>	<b>10.8007</b>	<b>0.0173</b>		<b>0.3483</b>	<b>0.3483</b>		<b>0.3218</b>	<b>0.3218</b>	<b>0.0000</b>	<b>1,664.8380</b>	<b>1,664.8380</b>	<b>0.5253</b>		<b>1,677.9699</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	0.0381	0.0248	0.2899	7.8000e-004	0.0947	4.6000e-004	0.0952	0.0251	4.3000e-004	0.0256		80.2830	80.2830	2.8500e-003	2.5100e-003	81.1028
<b>Total</b>	<b>0.0381</b>	<b>0.0248</b>	<b>0.2899</b>	<b>7.8000e-004</b>	<b>0.0947</b>	<b>4.6000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.3000e-004</b>	<b>0.0256</b>		<b>80.2830</b>	<b>80.2830</b>	<b>2.8500e-003</b>	<b>2.5100e-003</b>	<b>81.1028</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.4 Utility and Drainage Improvements - 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					0.2476	0.0000	0.2476	0.0282	0.0000	0.0282			0.0000			0.0000
Off-Road	1.9304	19.7184	16.1616	0.0342		0.8688	0.8688		0.8007	0.8007		3,300.8063	3,300.8063	1.0544		3,327.1658
<b>Total</b>	<b>1.9304</b>	<b>19.7184</b>	<b>16.1616</b>	<b>0.0342</b>	<b>0.2476</b>	<b>0.8688</b>	<b>1.1164</b>	<b>0.0282</b>	<b>0.8007</b>	<b>0.8289</b>		<b>3,300.8063</b>	<b>3,300.8063</b>	<b>1.0544</b>		<b>3,327.1658</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	0.0745	4.5742	1.2055	0.0173	0.4991	0.0355	0.5347	0.1366	0.0340	0.1706		1,964.9707	1,964.9707	0.1358	0.3149	2,062.2073
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	0.0254	0.0165	0.1933	5.2000e-004	0.0632	3.1000e-004	0.0635	0.0168	2.8000e-004	0.0170		53.5220	53.5220	1.9000e-003	1.6700e-003	54.0685
<b>Total</b>	<b>0.0999</b>	<b>4.5908</b>	<b>1.3987</b>	<b>0.0178</b>	<b>0.5623</b>	<b>0.0358</b>	<b>0.5981</b>	<b>0.1534</b>	<b>0.0343</b>	<b>0.1877</b>		<b>2,018.4927</b>	<b>2,018.4927</b>	<b>0.1377</b>	<b>0.3166</b>	<b>2,116.2758</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.4 Utility and Drainage Improvements - 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					0.2476	0.0000	0.2476	0.0282	0.0000	0.0282			0.0000			0.0000
Off-Road	1.9304	19.7184	16.1616	0.0342		0.8688	0.8688		0.8007	0.8007	0.0000	3,300.8063	3,300.8063	1.0544		3,327.1658
<b>Total</b>	<b>1.9304</b>	<b>19.7184</b>	<b>16.1616</b>	<b>0.0342</b>	<b>0.2476</b>	<b>0.8688</b>	<b>1.1164</b>	<b>0.0282</b>	<b>0.8007</b>	<b>0.8289</b>	<b>0.0000</b>	<b>3,300.8063</b>	<b>3,300.8063</b>	<b>1.0544</b>		<b>3,327.1658</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	0.0745	4.5742	1.2055	0.0173	0.4991	0.0355	0.5347	0.1366	0.0340	0.1706		1,964.9707	1,964.9707	0.1358	0.3149	2,062.2073
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	0.0254	0.0165	0.1933	5.2000e-004	0.0632	3.1000e-004	0.0635	0.0168	2.8000e-004	0.0170		53.5220	53.5220	1.9000e-003	1.6700e-003	54.0685
<b>Total</b>	<b>0.0999</b>	<b>4.5908</b>	<b>1.3987</b>	<b>0.0178</b>	<b>0.5623</b>	<b>0.0358</b>	<b>0.5981</b>	<b>0.1534</b>	<b>0.0343</b>	<b>0.1877</b>		<b>2,018.4927</b>	<b>2,018.4927</b>	<b>0.1377</b>	<b>0.3166</b>	<b>2,116.2758</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.5 Habitat Restoration - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1514	1.5357	2.2313	3.1200e-003		0.0758	0.0758		0.0698	0.0698		301.5765	301.5765	0.0975		304.0149
<b>Total</b>	<b>0.1514</b>	<b>1.5357</b>	<b>2.2313</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>0.0758</b>	<b>0.0758</b>	<b>0.0000</b>	<b>0.0698</b>	<b>0.0698</b>		<b>301.5765</b>	<b>301.5765</b>	<b>0.0975</b>		<b>304.0149</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	1.2800e-003	0.0468	0.0162	1.8000e-004	5.9300e-003	2.8000e-004	6.2100e-003	1.7100e-003	2.7000e-004	1.9700e-003		19.9825	19.9825	8.3000e-004	2.9400e-003	20.8790
Worker	0.0254	0.0165	0.1933	5.2000e-004	0.0632	3.1000e-004	0.0635	0.0168	2.8000e-004	0.0170		53.5220	53.5220	1.9000e-003	1.6700e-003	54.0685
<b>Total</b>	<b>0.0267</b>	<b>0.0634</b>	<b>0.2094</b>	<b>7.0000e-004</b>	<b>0.0691</b>	<b>5.9000e-004</b>	<b>0.0697</b>	<b>0.0185</b>	<b>5.5000e-004</b>	<b>0.0190</b>		<b>73.5045</b>	<b>73.5045</b>	<b>2.7300e-003</b>	<b>4.6100e-003</b>	<b>74.9476</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.5 Habitat Restoration - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1514	1.5357	2.2313	3.1200e-003		0.0758	0.0758		0.0698	0.0698	0.0000	301.5765	301.5765	0.0975		304.0149
<b>Total</b>	<b>0.1514</b>	<b>1.5357</b>	<b>2.2313</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>0.0758</b>	<b>0.0758</b>	<b>0.0000</b>	<b>0.0698</b>	<b>0.0698</b>	<b>0.0000</b>	<b>301.5765</b>	<b>301.5765</b>	<b>0.0975</b>		<b>304.0149</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	1.2800e-003	0.0468	0.0162	1.8000e-004	5.9300e-003	2.8000e-004	6.2100e-003	1.7100e-003	2.7000e-004	1.9700e-003		19.9825	19.9825	8.3000e-004	2.9400e-003	20.8790
Worker	0.0254	0.0165	0.1933	5.2000e-004	0.0632	3.1000e-004	0.0635	0.0168	2.8000e-004	0.0170		53.5220	53.5220	1.9000e-003	1.6700e-003	54.0685
<b>Total</b>	<b>0.0267</b>	<b>0.0634</b>	<b>0.2094</b>	<b>7.0000e-004</b>	<b>0.0691</b>	<b>5.9000e-004</b>	<b>0.0697</b>	<b>0.0185</b>	<b>5.5000e-004</b>	<b>0.0190</b>		<b>73.5045</b>	<b>73.5045</b>	<b>2.7300e-003</b>	<b>4.6100e-003</b>	<b>74.9476</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.5 Habitat Restoration - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1439	1.4483	2.2356	3.1200e-003		0.0665	0.0665		0.0612	0.0612		301.7667	301.7667	0.0976		304.2067
<b>Total</b>	<b>0.1439</b>	<b>1.4483</b>	<b>2.2356</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>0.0665</b>	<b>0.0665</b>	<b>0.0000</b>	<b>0.0612</b>	<b>0.0612</b>		<b>301.7667</b>	<b>301.7667</b>	<b>0.0976</b>		<b>304.2067</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	1.2200e-003	0.0459	0.0157	1.8000e-004	5.9300e-003	2.7000e-004	6.2000e-003	1.7100e-003	2.6000e-004	1.9700e-003		19.6565	19.6565	8.6000e-004	2.9000e-003	20.5412
Worker	0.0238	0.0147	0.1794	5.1000e-004	0.0632	2.9000e-004	0.0635	0.0168	2.7000e-004	0.0170		52.2496	52.2496	1.7300e-003	1.5600e-003	52.7562
<b>Total</b>	<b>0.0250</b>	<b>0.0607</b>	<b>0.1951</b>	<b>6.9000e-004</b>	<b>0.0691</b>	<b>5.6000e-004</b>	<b>0.0697</b>	<b>0.0185</b>	<b>5.3000e-004</b>	<b>0.0190</b>		<b>71.9061</b>	<b>71.9061</b>	<b>2.5900e-003</b>	<b>4.4600e-003</b>	<b>73.2974</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.5 Habitat Restoration - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1439	1.4483	2.2356	3.1200e-003		0.0665	0.0665		0.0612	0.0612	0.0000	301.7667	301.7667	0.0976		304.2067
<b>Total</b>	<b>0.1439</b>	<b>1.4483</b>	<b>2.2356</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>0.0665</b>	<b>0.0665</b>	<b>0.0000</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0000</b>	<b>301.7667</b>	<b>301.7667</b>	<b>0.0976</b>		<b>304.2067</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	1.2200e-003	0.0459	0.0157	1.8000e-004	5.9300e-003	2.7000e-004	6.2000e-003	1.7100e-003	2.6000e-004	1.9700e-003		19.6565	19.6565	8.6000e-004	2.9000e-003	20.5412
Worker	0.0238	0.0147	0.1794	5.1000e-004	0.0632	2.9000e-004	0.0635	0.0168	2.7000e-004	0.0170		52.2496	52.2496	1.7300e-003	1.5600e-003	52.7562
<b>Total</b>	<b>0.0250</b>	<b>0.0607</b>	<b>0.1951</b>	<b>6.9000e-004</b>	<b>0.0691</b>	<b>5.6000e-004</b>	<b>0.0697</b>	<b>0.0185</b>	<b>5.3000e-004</b>	<b>0.0190</b>		<b>71.9061</b>	<b>71.9061</b>	<b>2.5900e-003</b>	<b>4.4600e-003</b>	<b>73.2974</b>



Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.6 Residence Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7236	5.7417	7.8715	0.0130		0.2390	0.2390		0.2337	0.2337		1,182.7954	1,182.7954	0.1492		1,186.5262
<b>Total</b>	<b>0.7236</b>	<b>5.7417</b>	<b>7.8715</b>	<b>0.0130</b>		<b>0.2390</b>	<b>0.2390</b>		<b>0.2337</b>	<b>0.2337</b>		<b>1,182.7954</b>	<b>1,182.7954</b>	<b>0.1492</b>		<b>1,186.5262</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	6.1000e-003	0.2296	0.0783	8.9000e-004	0.0296	1.3700e-003	0.0310	8.5300e-003	1.3100e-003	9.8400e-003		98.2824	98.2824	4.3000e-003	0.0145	102.7060
Worker	0.0357	0.0221	0.2691	7.6000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		78.3745	78.3745	2.5900e-003	2.3300e-003	79.1343
<b>Total</b>	<b>0.0418</b>	<b>0.2517</b>	<b>0.3475</b>	<b>1.6500e-003</b>	<b>0.1244</b>	<b>1.8100e-003</b>	<b>0.1262</b>	<b>0.0337</b>	<b>1.7200e-003</b>	<b>0.0354</b>		<b>176.6568</b>	<b>176.6568</b>	<b>6.8900e-003</b>	<b>0.0168</b>	<b>181.8403</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.6 Residence Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7236	5.7417	7.8715	0.0130		0.2390	0.2390		0.2337	0.2337	0.0000	1,182.7954	1,182.7954	0.1492		1,186.5262
<b>Total</b>	<b>0.7236</b>	<b>5.7417</b>	<b>7.8715</b>	<b>0.0130</b>		<b>0.2390</b>	<b>0.2390</b>		<b>0.2337</b>	<b>0.2337</b>	<b>0.0000</b>	<b>1,182.7954</b>	<b>1,182.7954</b>	<b>0.1492</b>		<b>1,186.5262</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	6.1000e-003	0.2296	0.0783	8.9000e-004	0.0296	1.3700e-003	0.0310	8.5300e-003	1.3100e-003	9.8400e-003		98.2824	98.2824	4.3000e-003	0.0145	102.7060
Worker	0.0357	0.0221	0.2691	7.6000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		78.3745	78.3745	2.5900e-003	2.3300e-003	79.1343
<b>Total</b>	<b>0.0418</b>	<b>0.2517</b>	<b>0.3475</b>	<b>1.6500e-003</b>	<b>0.1244</b>	<b>1.8100e-003</b>	<b>0.1262</b>	<b>0.0337</b>	<b>1.7200e-003</b>	<b>0.0354</b>		<b>176.6568</b>	<b>176.6568</b>	<b>6.8900e-003</b>	<b>0.0168</b>	<b>181.8403</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.6 Residence Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6771	5.4408	7.8492	0.0130		0.2047	0.2047		0.2004	0.2004		1,183.0845	1,183.0845	0.1457		1,186.7263
<b>Total</b>	<b>0.6771</b>	<b>5.4408</b>	<b>7.8492</b>	<b>0.0130</b>		<b>0.2047</b>	<b>0.2047</b>		<b>0.2004</b>	<b>0.2004</b>		<b>1,183.0845</b>	<b>1,183.0845</b>	<b>0.1457</b>		<b>1,186.7263</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	5.8400e-003	0.2247	0.0765	8.8000e-004	0.0296	1.3400e-003	0.0310	8.5300e-003	1.2800e-003	9.8100e-003		96.5200	96.5200	4.4500e-003	0.0143	100.8768
Worker	0.0335	0.0198	0.2512	7.4000e-004	0.0947	4.2000e-004	0.0952	0.0251	3.9000e-004	0.0255		76.5801	76.5801	2.3600e-003	2.1800e-003	77.2878
<b>Total</b>	<b>0.0393</b>	<b>0.2445</b>	<b>0.3277</b>	<b>1.6200e-003</b>	<b>0.1244</b>	<b>1.7600e-003</b>	<b>0.1261</b>	<b>0.0337</b>	<b>1.6700e-003</b>	<b>0.0353</b>		<b>173.1001</b>	<b>173.1001</b>	<b>6.8100e-003</b>	<b>0.0164</b>	<b>178.1646</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.6 Residence Construction - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6771	5.4408	7.8492	0.0130		0.2047	0.2047		0.2004	0.2004	0.0000	1,183.0845	1,183.0845	0.1457		1,186.7263
<b>Total</b>	<b>0.6771</b>	<b>5.4408</b>	<b>7.8492</b>	<b>0.0130</b>		<b>0.2047</b>	<b>0.2047</b>		<b>0.2004</b>	<b>0.2004</b>	<b>0.0000</b>	<b>1,183.0845</b>	<b>1,183.0845</b>	<b>0.1457</b>		<b>1,186.7263</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	5.8400e-003	0.2247	0.0765	8.8000e-004	0.0296	1.3400e-003	0.0310	8.5300e-003	1.2800e-003	9.8100e-003		96.5200	96.5200	4.4500e-003	0.0143	100.8768
Worker	0.0335	0.0198	0.2512	7.4000e-004	0.0947	4.2000e-004	0.0952	0.0251	3.9000e-004	0.0255		76.5801	76.5801	2.3600e-003	2.1800e-003	77.2878
<b>Total</b>	<b>0.0393</b>	<b>0.2445</b>	<b>0.3277</b>	<b>1.6200e-003</b>	<b>0.1244</b>	<b>1.7600e-003</b>	<b>0.1261</b>	<b>0.0337</b>	<b>1.6700e-003</b>	<b>0.0353</b>		<b>173.1001</b>	<b>173.1001</b>	<b>6.8100e-003</b>	<b>0.0164</b>	<b>178.1646</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.7 Residence Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.5354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>8.7062</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0223	0.0132	0.1675	4.9000e-004	0.0632	2.8000e-004	0.0634	0.0168	2.6000e-004	0.0170		51.0534	51.0534	1.5700e-003	1.4500e-003	51.5252
<b>Total</b>	<b>0.0223</b>	<b>0.0132</b>	<b>0.1675</b>	<b>4.9000e-004</b>	<b>0.0632</b>	<b>2.8000e-004</b>	<b>0.0634</b>	<b>0.0168</b>	<b>2.6000e-004</b>	<b>0.0170</b>		<b>51.0534</b>	<b>51.0534</b>	<b>1.5700e-003</b>	<b>1.4500e-003</b>	<b>51.5252</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**3.7 Residence Architectural Coating - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.5354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>8.7062</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0223	0.0132	0.1675	4.9000e-004	0.0632	2.8000e-004	0.0634	0.0168	2.6000e-004	0.0170		51.0534	51.0534	1.5700e-003	1.4500e-003	51.5252
<b>Total</b>	<b>0.0223</b>	<b>0.0132</b>	<b>0.1675</b>	<b>4.9000e-004</b>	<b>0.0632</b>	<b>2.8000e-004</b>	<b>0.0634</b>	<b>0.0168</b>	<b>2.6000e-004</b>	<b>0.0170</b>		<b>51.0534</b>	<b>51.0534</b>	<b>1.5700e-003</b>	<b>1.4500e-003</b>	<b>51.5252</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive 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	0.0936	0.0993	0.7028	1.3700e-003	0.1497	1.1100e-003	0.1508	0.0400	1.0400e-003	0.0411		143.1943	143.1943	0.0104	7.5200e-003	145.6941
Unmitigated	0.0936	0.0993	0.7028	1.3700e-003	0.1497	1.1100e-003	0.1508	0.0400	1.0400e-003	0.0411		143.1943	143.1943	0.0104	7.5200e-003	145.6941

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	37.76	38.16	34.20	69,111	69,111
<b>Total</b>	<b>37.76</b>	<b>38.16</b>	<b>34.20</b>	<b>69,111</b>	<b>69,111</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 Asphalt Surfaces	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	6.60	5.50	6.40	33.00	48.00	19.00	52	39	9
Single Family Housing	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.499590	0.054528	0.207373	0.147926	0.027658	0.006798	0.011091	0.006226	0.000954	0.000578	0.029982	0.003446	0.003849
Recreational Swimming Pool	0.499590	0.054528	0.207373	0.147926	0.027658	0.006798	0.011091	0.006226	0.000954	0.000578	0.029982	0.003446	0.003849
Single Family Housing	0.499590	0.054528	0.207373	0.147926	0.027658	0.006798	0.011091	0.006226	0.000954	0.000578	0.029982	0.003446	0.003849

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.8110	30.8110	5.9000e-004	5.6000e-004	30.9941
NaturalGas Unmitigated	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.8110	30.8110	5.9000e-004	5.6000e-004	30.9941



Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	261.893	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.8110	30.8110	5.9000e-004	5.6000e-004	30.9941
<b>Total</b>		<b>2.8200e-003</b>	<b>0.0241</b>	<b>0.0103</b>	<b>1.5000e-004</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>30.8110</b>	<b>30.8110</b>	<b>5.9000e-004</b>	<b>5.6000e-004</b>	<b>30.9941</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.261893	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.8110	30.8110	5.9000e-004	5.6000e-004	30.9941
<b>Total</b>		<b>2.8200e-003</b>	<b>0.0241</b>	<b>0.0103</b>	<b>1.5000e-004</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>30.8110</b>	<b>30.8110</b>	<b>5.9000e-004</b>	<b>5.6000e-004</b>	<b>30.9941</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8815	3.8200e-003	0.3325	2.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	0.6003	0.6003	5.8000e-004	0.0000	0.6150
Unmitigated	0.8815	3.8200e-003	0.3325	2.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	0.6003	0.6003	5.8000e-004	0.0000	0.6150

**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	0.0819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0102	3.8200e-003	0.3325	2.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003		0.6003	0.6003	5.8000e-004		0.6150
<b>Total</b>	<b>0.8815</b>	<b>3.8200e-003</b>	<b>0.3325</b>	<b>2.0000e-005</b>		<b>1.8400e-003</b>	<b>1.8400e-003</b>		<b>1.8400e-003</b>	<b>1.8400e-003</b>	<b>0.0000</b>	<b>0.6003</b>	<b>0.6003</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>0.6150</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0102	3.8200e-003	0.3325	2.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003		0.6003	0.6003	5.8000e-004		0.6150
<b>Total</b>	<b>0.8815</b>	<b>3.8200e-003</b>	<b>0.3325</b>	<b>2.0000e-005</b>		<b>1.8400e-003</b>	<b>1.8400e-003</b>		<b>1.8400e-003</b>	<b>1.8400e-003</b>	<b>0.0000</b>	<b>0.6003</b>	<b>0.6003</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>0.6150</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**Whitman Trust VTTM**

**Santa Barbara-South of Santa Ynez Range County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	18.00	1000sqft	0.41	18,000.00	0
Recreational Swimming Pool	10.00	1000sqft	0.23	10,000.00	0
Single Family Housing	4.00	Dwelling Unit	12.46	36,594.00	11

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	37
<b>Climate Zone</b>	8			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	630.89	<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 - CO2 Intensity Factor adjusted per SCAQMD guidance

Land Use - Project details. One private 2,500sf swimming pool assumed for each residence

Construction Phase - Estimated Project construction schedule

Off-road Equipment - Project construction equipment

Off-road Equipment - Project construction equipment

Off-road Equipment - Project construction equipment

Off-road Equipment -

Off-road Equipment - Project construction equipment

Off-road Equipment - Project construction equipment

Trips and VMT - Project construction worker schedule and hauling trips based on demoltion and balance of import (30,000 CY) and cut material (15,100 CY)

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

Demolition -

Grading - Export calculated from balance of cut and fill, 30,000 CY required to elevate above base flood elevation.

Vehicle Trips - No additional trips assumed with private pools

Solid Waste - No additional solid waste assumed for private pools

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	300.00	226.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	30.00	65.00
tblConstructionPhase	NumDays	20.00	23.00
tblGrading	AcresOfGrading	97.50	13.10
tblGrading	MaterialImported	0.00	14,900.00
tblLandUse	LandUseSquareFeet	7,200.00	36,594.00
tblLandUse	LotAcreage	1.30	12.46
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Residence Construction
tblOffRoadEquipment	PhaseName		Demolition of Existing Improvements
tblOffRoadEquipment	PhaseName		Access Road Installation
tblOffRoadEquipment	PhaseName		Utility and Drainage Improvements
tblOffRoadEquipment	PhaseName		Access Road Installation
tblOffRoadEquipment	PhaseName		Demolition of Existing Improvements
tblOffRoadEquipment	PhaseName		Utility and Drainage Improvements
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	390.98	630.89
tblSolidWaste	SolidWasteGenerationRate	57.00	0.00
tblTripsAndVMT	HaulingTripNumber	1,888.00	1,863.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	15.00	10.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	28.82	0.00

**2.0 Emissions Summary**



Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.0292	24.4407	17.5793	0.0521	1.3347	0.9047	2.0348	0.2207	0.8351	1.0166	0.0000	5,319.6576	5,319.6576	1.1920	0.3170	5,443.9198
2024	0.7684	6.0038	8.2330	0.0146	0.1244	0.2408	0.3652	0.0337	0.2354	0.2690	0.0000	1,357.9850	1,357.9850	0.1564	0.0171	1,366.9814
2025	8.7306	5.6952	8.1906	0.0146	0.1244	0.2064	0.3308	0.0337	0.2020	0.2357	0.0000	1,354.7606	1,354.7606	0.1527	0.0167	1,363.5436
<b>Maximum</b>	<b>8.7306</b>	<b>24.4407</b>	<b>17.5793</b>	<b>0.0521</b>	<b>1.3347</b>	<b>0.9047</b>	<b>2.0348</b>	<b>0.2207</b>	<b>0.8351</b>	<b>1.0166</b>	<b>0.0000</b>	<b>5,319.6576</b>	<b>5,319.6576</b>	<b>1.1920</b>	<b>0.3170</b>	<b>5,443.9198</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.0292	24.4407	17.5793	0.0521	1.3347	0.9047	2.0348	0.2207	0.8351	1.0166	0.0000	5,319.6576	5,319.6576	1.1920	0.3170	5,443.9198
2024	0.7684	6.0038	8.2330	0.0146	0.1244	0.2408	0.3652	0.0337	0.2354	0.2690	0.0000	1,357.9850	1,357.9850	0.1564	0.0171	1,366.9814
2025	8.7306	5.6952	8.1906	0.0146	0.1244	0.2064	0.3308	0.0337	0.2020	0.2357	0.0000	1,354.7606	1,354.7606	0.1527	0.0167	1,363.5436
<b>Maximum</b>	<b>8.7306</b>	<b>24.4407</b>	<b>17.5793</b>	<b>0.0521</b>	<b>1.3347</b>	<b>0.9047</b>	<b>2.0348</b>	<b>0.2207</b>	<b>0.8351</b>	<b>1.0166</b>	<b>0.0000</b>	<b>5,319.6576</b>	<b>5,319.6576</b>	<b>1.1920</b>	<b>0.3170</b>	<b>5,443.9198</b>



Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8815	3.8200e-003	0.3325	2.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	0.6003	0.6003	5.8000e-004	0.0000	0.6150
Energy	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.8110	30.8110	5.9000e-004	5.6000e-004	30.9941
Mobile	0.0918	0.1075	0.7748	1.3500e-003	0.1497	1.1100e-003	0.1508	0.0400	1.0400e-003	0.0411		141.1245	141.1245	0.0114	7.9800e-003	143.7871
<b>Total</b>	<b>0.9761</b>	<b>0.1355</b>	<b>1.1176</b>	<b>1.5200e-003</b>	<b>0.1497</b>	<b>4.9000e-003</b>	<b>0.1546</b>	<b>0.0400</b>	<b>4.8300e-003</b>	<b>0.0448</b>	<b>0.0000</b>	<b>172.5358</b>	<b>172.5358</b>	<b>0.0126</b>	<b>8.5400e-003</b>	<b>175.3961</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8815	3.8200e-003	0.3325	2.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	0.6003	0.6003	5.8000e-004	0.0000	0.6150
Energy	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.8110	30.8110	5.9000e-004	5.6000e-004	30.9941
Mobile	0.0918	0.1075	0.7748	1.3500e-003	0.1497	1.1100e-003	0.1508	0.0400	1.0400e-003	0.0411		141.1245	141.1245	0.0114	7.9800e-003	143.7871
<b>Total</b>	<b>0.9761</b>	<b>0.1355</b>	<b>1.1176</b>	<b>1.5200e-003</b>	<b>0.1497</b>	<b>4.9000e-003</b>	<b>0.1546</b>	<b>0.0400</b>	<b>4.8300e-003</b>	<b>0.0448</b>	<b>0.0000</b>	<b>172.5358</b>	<b>172.5358</b>	<b>0.0126</b>	<b>8.5400e-003</b>	<b>175.3961</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition of Existing Improvements	Demolition	6/1/2023	7/28/2023	5	42	
2	Access Road Installation	Paving	7/31/2023	8/30/2023	5	23	
3	Utility and Drainage Improvements	Grading	9/1/2023	11/30/2023	5	65	
4	Habitat Restoration	Grading	12/1/2023	2/29/2024	5	65	
5	Residence Construction	Building Construction	3/1/2024	1/10/2025	5	226	
6	Residence Architectural Coating	Architectural Coating	1/13/2025	2/28/2025	5	35	

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

**Acres of Grading (Grading Phase): 13.1**

**Acres of Paving: 0.41**

**Residential Indoor: 74,103; Residential Outdoor: 24,701; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,080 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition of Existing Improvements	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition of Existing Improvements	Dumpers/Tenders	1	8.00	16	0.38
Demolition of Existing Improvements	Excavators	1	8.00	158	0.38
Demolition of Existing Improvements	Graders	1	8.00	187	0.41
Demolition of Existing Improvements	Rubber Tired Dozers	1	8.00	247	0.40

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

Access Road Installation	Dumpers/Tenders	1	8.00	16	0.38
Access Road Installation	Excavators	1	8.00	158	0.38
Access Road Installation	Pavers	1	8.00	130	0.42
Access Road Installation	Paving Equipment	1	8.00	132	0.36
Access Road Installation	Rollers	1	8.00	80	0.38
Utility and Drainage Improvements	Dumpers/Tenders	1	8.00	16	0.38
Utility and Drainage Improvements	Excavators	1	8.00	158	0.38
Utility and Drainage Improvements	Graders	1	8.00	187	0.41
Utility and Drainage Improvements	Scrapers	1	8.00	367	0.48
Utility and Drainage Improvements	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Utility and Drainage Improvements	Trenchers	1	8.00	78	0.50
Habitat Restoration	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residence Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Residence Construction	Generator Sets	1	8.00	84	0.74
Residence Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Residence Construction	Welders	1	8.00	46	0.45
Residence Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition of Existing Improvements	5	10.00	0.00	225.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Access Road Installation	5	15.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Utility and Drainage Improvements	6	10.00	0.00	1,863.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Habitat Restoration	1	10.00	1.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Residence Construction	4	15.00	5.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT
Residence Architectural Coating	1	10.00	0.00	0.00	8.30	6.40	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.2 Demolition of Existing Improvements - 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					1.1783	0.0000	1.1783	0.1784	0.0000	0.1784			0.0000			0.0000
Off-Road	1.6640	16.3776	11.9649	0.0273		0.6931	0.6931		0.6493	0.6493		2,621.5675	2,621.5675	0.6722		2,638.3730
<b>Total</b>	<b>1.6640</b>	<b>16.3776</b>	<b>11.9649</b>	<b>0.0273</b>	<b>1.1783</b>	<b>0.6931</b>	<b>1.8714</b>	<b>0.1784</b>	<b>0.6493</b>	<b>0.8278</b>		<b>2,621.5675</b>	<b>2,621.5675</b>	<b>0.6722</b>		<b>2,638.3730</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	0.0133	0.8791	0.2274	3.2400e-003	0.0933	6.6500e-003	0.0999	0.0255	6.3700e-003	0.0319		367.5446	367.5446	0.0253	0.0589	385.7317
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	0.0276	0.0189	0.2012	5.1000e-004	0.0632	3.1000e-004	0.0635	0.0168	2.8000e-004	0.0170		52.4314	52.4314	2.1000e-003	1.8300e-003	53.0303
<b>Total</b>	<b>0.0410</b>	<b>0.8980</b>	<b>0.4285</b>	<b>3.7500e-003</b>	<b>0.1564</b>	<b>6.9600e-003</b>	<b>0.1634</b>	<b>0.0423</b>	<b>6.6500e-003</b>	<b>0.0489</b>		<b>419.9760</b>	<b>419.9760</b>	<b>0.0274</b>	<b>0.0607</b>	<b>438.7620</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.2 Demolition of Existing Improvements - 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					1.1783	0.0000	1.1783	0.1784	0.0000	0.1784			0.0000			0.0000
Off-Road	1.6640	16.3776	11.9649	0.0273		0.6931	0.6931		0.6493	0.6493	0.0000	2,621.5675	2,621.5675	0.6722		2,638.3730
<b>Total</b>	<b>1.6640</b>	<b>16.3776</b>	<b>11.9649</b>	<b>0.0273</b>	<b>1.1783</b>	<b>0.6931</b>	<b>1.8714</b>	<b>0.1784</b>	<b>0.6493</b>	<b>0.8278</b>	<b>0.0000</b>	<b>2,621.5675</b>	<b>2,621.5675</b>	<b>0.6722</b>		<b>2,638.3730</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	0.0133	0.8791	0.2274	3.2400e-003	0.0933	6.6500e-003	0.0999	0.0255	6.3700e-003	0.0319		367.5446	367.5446	0.0253	0.0589	385.7317
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	0.0276	0.0189	0.2012	5.1000e-004	0.0632	3.1000e-004	0.0635	0.0168	2.8000e-004	0.0170		52.4314	52.4314	2.1000e-003	1.8300e-003	53.0303
<b>Total</b>	<b>0.0410</b>	<b>0.8980</b>	<b>0.4285</b>	<b>3.7500e-003</b>	<b>0.1564</b>	<b>6.9600e-003</b>	<b>0.1634</b>	<b>0.0423</b>	<b>6.6500e-003</b>	<b>0.0489</b>		<b>419.9760</b>	<b>419.9760</b>	<b>0.0274</b>	<b>0.0607</b>	<b>438.7620</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.3 Access Road Installation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7785	7.1090	10.8007	0.0173		0.3483	0.3483		0.3218	0.3218		1,664.8380	1,664.8380	0.5253		1,677.9699
Paving	0.0467					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8252</b>	<b>7.1090</b>	<b>10.8007</b>	<b>0.0173</b>		<b>0.3483</b>	<b>0.3483</b>		<b>0.3218</b>	<b>0.3218</b>		<b>1,664.8380</b>	<b>1,664.8380</b>	<b>0.5253</b>		<b>1,677.9699</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	0.0415	0.0284	0.3017	7.7000e-004	0.0947	4.6000e-004	0.0952	0.0251	4.3000e-004	0.0256		78.6471	78.6471	3.1600e-003	2.7500e-003	79.5454
<b>Total</b>	<b>0.0415</b>	<b>0.0284</b>	<b>0.3017</b>	<b>7.7000e-004</b>	<b>0.0947</b>	<b>4.6000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.3000e-004</b>	<b>0.0256</b>		<b>78.6471</b>	<b>78.6471</b>	<b>3.1600e-003</b>	<b>2.7500e-003</b>	<b>79.5454</b>



Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.3 Access Road Installation - 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	0.7785	7.1090	10.8007	0.0173		0.3483	0.3483		0.3218	0.3218	0.0000	1,664.8380	1,664.8380	0.5253		1,677.9699
Paving	0.0467					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8252</b>	<b>7.1090</b>	<b>10.8007</b>	<b>0.0173</b>		<b>0.3483</b>	<b>0.3483</b>		<b>0.3218</b>	<b>0.3218</b>	<b>0.0000</b>	<b>1,664.8380</b>	<b>1,664.8380</b>	<b>0.5253</b>		<b>1,677.9699</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	0.0415	0.0284	0.3017	7.7000e-004	0.0947	4.6000e-004	0.0952	0.0251	4.3000e-004	0.0256		78.6471	78.6471	3.1600e-003	2.7500e-003	79.5454
<b>Total</b>	<b>0.0415</b>	<b>0.0284</b>	<b>0.3017</b>	<b>7.7000e-004</b>	<b>0.0947</b>	<b>4.6000e-004</b>	<b>0.0952</b>	<b>0.0251</b>	<b>4.3000e-004</b>	<b>0.0256</b>		<b>78.6471</b>	<b>78.6471</b>	<b>3.1600e-003</b>	<b>2.7500e-003</b>	<b>79.5454</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.4 Utility and Drainage Improvements - 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					0.2476	0.0000	0.2476	0.0282	0.0000	0.0282			0.0000			0.0000
Off-Road	1.9304	19.7184	16.1616	0.0342		0.8688	0.8688		0.8007	0.8007		3,300.8063	3,300.8063	1.0544		3,327.1658
<b>Total</b>	<b>1.9304</b>	<b>19.7184</b>	<b>16.1616</b>	<b>0.0342</b>	<b>0.2476</b>	<b>0.8688</b>	<b>1.1164</b>	<b>0.0282</b>	<b>0.8007</b>	<b>0.8289</b>		<b>3,300.8063</b>	<b>3,300.8063</b>	<b>1.0544</b>		<b>3,327.1658</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	0.0712	4.7034	1.2165	0.0173	0.4991	0.0356	0.5347	0.1366	0.0341	0.1707		1,966.4200	1,966.4200	0.1355	0.3152	2,063.7238
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	0.0276	0.0189	0.2012	5.1000e-004	0.0632	3.1000e-004	0.0635	0.0168	2.8000e-004	0.0170		52.4314	52.4314	2.1000e-003	1.8300e-003	53.0303
<b>Total</b>	<b>0.0988</b>	<b>4.7223</b>	<b>1.4176</b>	<b>0.0178</b>	<b>0.5623</b>	<b>0.0359</b>	<b>0.5982</b>	<b>0.1534</b>	<b>0.0343</b>	<b>0.1877</b>		<b>2,018.8514</b>	<b>2,018.8514</b>	<b>0.1376</b>	<b>0.3170</b>	<b>2,116.7540</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.4 Utility and Drainage Improvements - 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					0.2476	0.0000	0.2476	0.0282	0.0000	0.0282			0.0000			0.0000
Off-Road	1.9304	19.7184	16.1616	0.0342		0.8688	0.8688		0.8007	0.8007	0.0000	3,300.8063	3,300.8063	1.0544		3,327.1658
<b>Total</b>	<b>1.9304</b>	<b>19.7184</b>	<b>16.1616</b>	<b>0.0342</b>	<b>0.2476</b>	<b>0.8688</b>	<b>1.1164</b>	<b>0.0282</b>	<b>0.8007</b>	<b>0.8289</b>	<b>0.0000</b>	<b>3,300.8063</b>	<b>3,300.8063</b>	<b>1.0544</b>		<b>3,327.1658</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	0.0712	4.7034	1.2165	0.0173	0.4991	0.0356	0.5347	0.1366	0.0341	0.1707		1,966.4200	1,966.4200	0.1355	0.3152	2,063.7238
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	0.0276	0.0189	0.2012	5.1000e-004	0.0632	3.1000e-004	0.0635	0.0168	2.8000e-004	0.0170		52.4314	52.4314	2.1000e-003	1.8300e-003	53.0303
<b>Total</b>	<b>0.0988</b>	<b>4.7223</b>	<b>1.4176</b>	<b>0.0178</b>	<b>0.5623</b>	<b>0.0359</b>	<b>0.5982</b>	<b>0.1534</b>	<b>0.0343</b>	<b>0.1877</b>		<b>2,018.8514</b>	<b>2,018.8514</b>	<b>0.1376</b>	<b>0.3170</b>	<b>2,116.7540</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.5 Habitat Restoration - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1514	1.5357	2.2313	3.1200e-003		0.0758	0.0758		0.0698	0.0698		301.5765	301.5765	0.0975		304.0149
<b>Total</b>	<b>0.1514</b>	<b>1.5357</b>	<b>2.2313</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>0.0758</b>	<b>0.0758</b>	<b>0.0000</b>	<b>0.0698</b>	<b>0.0698</b>		<b>301.5765</b>	<b>301.5765</b>	<b>0.0975</b>		<b>304.0149</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	1.2600e-003	0.0483	0.0166	1.8000e-004	5.9300e-003	2.8000e-004	6.2100e-003	1.7100e-003	2.7000e-004	1.9700e-003		20.0068	20.0068	8.3000e-004	2.9500e-003	20.9053
Worker	0.0276	0.0189	0.2012	5.1000e-004	0.0632	3.1000e-004	0.0635	0.0168	2.8000e-004	0.0170		52.4314	52.4314	2.1000e-003	1.8300e-003	53.0303
<b>Total</b>	<b>0.0289</b>	<b>0.0672</b>	<b>0.2178</b>	<b>6.9000e-004</b>	<b>0.0691</b>	<b>5.9000e-004</b>	<b>0.0697</b>	<b>0.0185</b>	<b>5.5000e-004</b>	<b>0.0190</b>		<b>72.4382</b>	<b>72.4382</b>	<b>2.9300e-003</b>	<b>4.7800e-003</b>	<b>73.9356</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.5 Habitat Restoration - 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1514	1.5357	2.2313	3.1200e-003		0.0758	0.0758		0.0698	0.0698	0.0000	301.5765	301.5765	0.0975		304.0149
<b>Total</b>	<b>0.1514</b>	<b>1.5357</b>	<b>2.2313</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>0.0758</b>	<b>0.0758</b>	<b>0.0000</b>	<b>0.0698</b>	<b>0.0698</b>	<b>0.0000</b>	<b>301.5765</b>	<b>301.5765</b>	<b>0.0975</b>		<b>304.0149</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	1.2600e-003	0.0483	0.0166	1.8000e-004	5.9300e-003	2.8000e-004	6.2100e-003	1.7100e-003	2.7000e-004	1.9700e-003		20.0068	20.0068	8.3000e-004	2.9500e-003	20.9053
Worker	0.0276	0.0189	0.2012	5.1000e-004	0.0632	3.1000e-004	0.0635	0.0168	2.8000e-004	0.0170		52.4314	52.4314	2.1000e-003	1.8300e-003	53.0303
<b>Total</b>	<b>0.0289</b>	<b>0.0672</b>	<b>0.2178</b>	<b>6.9000e-004</b>	<b>0.0691</b>	<b>5.9000e-004</b>	<b>0.0697</b>	<b>0.0185</b>	<b>5.5000e-004</b>	<b>0.0190</b>		<b>72.4382</b>	<b>72.4382</b>	<b>2.9300e-003</b>	<b>4.7800e-003</b>	<b>73.9356</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.5 Habitat Restoration - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1439	1.4483	2.2356	3.1200e-003		0.0665	0.0665		0.0612	0.0612		301.7667	301.7667	0.0976		304.2067
<b>Total</b>	<b>0.1439</b>	<b>1.4483</b>	<b>2.2356</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>0.0665</b>	<b>0.0665</b>	<b>0.0000</b>	<b>0.0612</b>	<b>0.0612</b>		<b>301.7667</b>	<b>301.7667</b>	<b>0.0976</b>		<b>304.2067</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	1.2000e-003	0.0474	0.0161	1.8000e-004	5.9300e-003	2.7000e-004	6.2000e-003	1.7100e-003	2.6000e-004	1.9700e-003		19.6816	19.6816	8.6000e-004	2.9000e-003	20.5682
Worker	0.0259	0.0168	0.1872	5.0000e-004	0.0632	2.9000e-004	0.0635	0.0168	2.7000e-004	0.0170		51.1878	51.1878	1.9100e-003	1.7000e-003	51.7429
<b>Total</b>	<b>0.0271</b>	<b>0.0642</b>	<b>0.2034</b>	<b>6.8000e-004</b>	<b>0.0691</b>	<b>5.6000e-004</b>	<b>0.0697</b>	<b>0.0185</b>	<b>5.3000e-004</b>	<b>0.0190</b>		<b>70.8694</b>	<b>70.8694</b>	<b>2.7700e-003</b>	<b>4.6000e-003</b>	<b>72.3111</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.5 Habitat Restoration - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1439	1.4483	2.2356	3.1200e-003		0.0665	0.0665		0.0612	0.0612	0.0000	301.7667	301.7667	0.0976		304.2067
<b>Total</b>	<b>0.1439</b>	<b>1.4483</b>	<b>2.2356</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>0.0665</b>	<b>0.0665</b>	<b>0.0000</b>	<b>0.0612</b>	<b>0.0612</b>	<b>0.0000</b>	<b>301.7667</b>	<b>301.7667</b>	<b>0.0976</b>		<b>304.2067</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	1.2000e-003	0.0474	0.0161	1.8000e-004	5.9300e-003	2.7000e-004	6.2000e-003	1.7100e-003	2.6000e-004	1.9700e-003		19.6816	19.6816	8.6000e-004	2.9000e-003	20.5682
Worker	0.0259	0.0168	0.1872	5.0000e-004	0.0632	2.9000e-004	0.0635	0.0168	2.7000e-004	0.0170		51.1878	51.1878	1.9100e-003	1.7000e-003	51.7429
<b>Total</b>	<b>0.0271</b>	<b>0.0642</b>	<b>0.2034</b>	<b>6.8000e-004</b>	<b>0.0691</b>	<b>5.6000e-004</b>	<b>0.0697</b>	<b>0.0185</b>	<b>5.3000e-004</b>	<b>0.0190</b>		<b>70.8694</b>	<b>70.8694</b>	<b>2.7700e-003</b>	<b>4.6000e-003</b>	<b>72.3111</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.6 Residence Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7236	5.7417	7.8715	0.0130		0.2390	0.2390		0.2337	0.2337		1,182.7954	1,182.7954	0.1492		1,186.5262
<b>Total</b>	<b>0.7236</b>	<b>5.7417</b>	<b>7.8715</b>	<b>0.0130</b>		<b>0.2390</b>	<b>0.2390</b>		<b>0.2337</b>	<b>0.2337</b>		<b>1,182.7954</b>	<b>1,182.7954</b>	<b>0.1492</b>		<b>1,186.5262</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	6.0000e-003	0.2368	0.0806	9.0000e-004	0.0296	1.3700e-003	0.0310	8.5300e-003	1.3200e-003	9.8500e-003		98.4080	98.4080	4.2900e-003	0.0145	102.8409
Worker	0.0389	0.0253	0.2809	7.4000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		76.7817	76.7817	2.8700e-003	2.5500e-003	77.6143
<b>Total</b>	<b>0.0449</b>	<b>0.2620</b>	<b>0.3614</b>	<b>1.6400e-003</b>	<b>0.1244</b>	<b>1.8100e-003</b>	<b>0.1262</b>	<b>0.0337</b>	<b>1.7300e-003</b>	<b>0.0354</b>		<b>175.1897</b>	<b>175.1897</b>	<b>7.1600e-003</b>	<b>0.0171</b>	<b>180.4552</b>



Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.6 Residence Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7236	5.7417	7.8715	0.0130		0.2390	0.2390		0.2337	0.2337	0.0000	1,182.795 4	1,182.795 4	0.1492		1,186.526 2
<b>Total</b>	<b>0.7236</b>	<b>5.7417</b>	<b>7.8715</b>	<b>0.0130</b>		<b>0.2390</b>	<b>0.2390</b>		<b>0.2337</b>	<b>0.2337</b>	<b>0.0000</b>	<b>1,182.795 4</b>	<b>1,182.795 4</b>	<b>0.1492</b>		<b>1,186.526 2</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	6.0000e-003	0.2368	0.0806	9.0000e-004	0.0296	1.3700e-003	0.0310	8.5300e-003	1.3200e-003	9.8500e-003		98.4080	98.4080	4.2900e-003	0.0145	102.8409
Worker	0.0389	0.0253	0.2809	7.4000e-004	0.0947	4.4000e-004	0.0952	0.0251	4.1000e-004	0.0255		76.7817	76.7817	2.8700e-003	2.5500e-003	77.6143
<b>Total</b>	<b>0.0449</b>	<b>0.2620</b>	<b>0.3614</b>	<b>1.6400e-003</b>	<b>0.1244</b>	<b>1.8100e-003</b>	<b>0.1262</b>	<b>0.0337</b>	<b>1.7300e-003</b>	<b>0.0354</b>		<b>175.1897</b>	<b>175.1897</b>	<b>7.1600e-003</b>	<b>0.0171</b>	<b>180.4552</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.6 Residence Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6771	5.4408	7.8492	0.0130		0.2047	0.2047		0.2004	0.2004		1,183.0845	1,183.0845	0.1457		1,186.7263
<b>Total</b>	<b>0.6771</b>	<b>5.4408</b>	<b>7.8492</b>	<b>0.0130</b>		<b>0.2047</b>	<b>0.2047</b>		<b>0.2004</b>	<b>0.2004</b>		<b>1,183.0845</b>	<b>1,183.0845</b>	<b>0.1457</b>		<b>1,186.7263</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	5.7300e-003	0.2318	0.0787	8.8000e-004	0.0296	1.3400e-003	0.0310	8.5300e-003	1.2800e-003	9.8100e-003		96.6485	96.6485	4.4400e-003	0.0143	101.0143
Worker	0.0366	0.0227	0.2627	7.2000e-004	0.0947	4.2000e-004	0.0952	0.0251	3.9000e-004	0.0255		75.0276	75.0276	2.6100e-003	2.3800e-003	75.8031
<b>Total</b>	<b>0.0423</b>	<b>0.2544</b>	<b>0.3414</b>	<b>1.6000e-003</b>	<b>0.1244</b>	<b>1.7600e-003</b>	<b>0.1261</b>	<b>0.0337</b>	<b>1.6700e-003</b>	<b>0.0353</b>		<b>171.6762</b>	<b>171.6762</b>	<b>7.0500e-003</b>	<b>0.0167</b>	<b>176.8173</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.6 Residence Construction - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6771	5.4408	7.8492	0.0130		0.2047	0.2047		0.2004	0.2004	0.0000	1,183.0845	1,183.0845	0.1457		1,186.7263
<b>Total</b>	<b>0.6771</b>	<b>5.4408</b>	<b>7.8492</b>	<b>0.0130</b>		<b>0.2047</b>	<b>0.2047</b>		<b>0.2004</b>	<b>0.2004</b>	<b>0.0000</b>	<b>1,183.0845</b>	<b>1,183.0845</b>	<b>0.1457</b>		<b>1,186.7263</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	5.7300e-003	0.2318	0.0787	8.8000e-004	0.0296	1.3400e-003	0.0310	8.5300e-003	1.2800e-003	9.8100e-003		96.6485	96.6485	4.4400e-003	0.0143	101.0143
Worker	0.0366	0.0227	0.2627	7.2000e-004	0.0947	4.2000e-004	0.0952	0.0251	3.9000e-004	0.0255		75.0276	75.0276	2.6100e-003	2.3800e-003	75.8031
<b>Total</b>	<b>0.0423</b>	<b>0.2544</b>	<b>0.3414</b>	<b>1.6000e-003</b>	<b>0.1244</b>	<b>1.7600e-003</b>	<b>0.1261</b>	<b>0.0337</b>	<b>1.6700e-003</b>	<b>0.0353</b>		<b>171.6762</b>	<b>171.6762</b>	<b>7.0500e-003</b>	<b>0.0167</b>	<b>176.8173</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.7 Residence Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.5354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>8.7062</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0244	0.0151	0.1752	4.8000e-004	0.0632	2.8000e-004	0.0634	0.0168	2.6000e-004	0.0170		50.0184	50.0184	1.7400e-003	1.5900e-003	50.5354
<b>Total</b>	<b>0.0244</b>	<b>0.0151</b>	<b>0.1752</b>	<b>4.8000e-004</b>	<b>0.0632</b>	<b>2.8000e-004</b>	<b>0.0634</b>	<b>0.0168</b>	<b>2.6000e-004</b>	<b>0.0170</b>		<b>50.0184</b>	<b>50.0184</b>	<b>1.7400e-003</b>	<b>1.5900e-003</b>	<b>50.5354</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**3.7 Residence Architectural Coating - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.5354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>8.7062</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0244	0.0151	0.1752	4.8000e-004	0.0632	2.8000e-004	0.0634	0.0168	2.6000e-004	0.0170		50.0184	50.0184	1.7400e-003	1.5900e-003	50.5354
<b>Total</b>	<b>0.0244</b>	<b>0.0151</b>	<b>0.1752</b>	<b>4.8000e-004</b>	<b>0.0632</b>	<b>2.8000e-004</b>	<b>0.0634</b>	<b>0.0168</b>	<b>2.6000e-004</b>	<b>0.0170</b>		<b>50.0184</b>	<b>50.0184</b>	<b>1.7400e-003</b>	<b>1.5900e-003</b>	<b>50.5354</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive 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	0.0918	0.1075	0.7748	1.3500e-003	0.1497	1.1100e-003	0.1508	0.0400	1.0400e-003	0.0411		141.1245	141.1245	0.0114	7.9800e-003	143.7871
Unmitigated	0.0918	0.1075	0.7748	1.3500e-003	0.1497	1.1100e-003	0.1508	0.0400	1.0400e-003	0.0411		141.1245	141.1245	0.0114	7.9800e-003	143.7871

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	37.76	38.16	34.20	69,111	69,111
<b>Total</b>	<b>37.76</b>	<b>38.16</b>	<b>34.20</b>	<b>69,111</b>	<b>69,111</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 Asphalt Surfaces	6.60	5.50	6.40	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	6.60	5.50	6.40	33.00	48.00	19.00	52	39	9
Single Family Housing	8.30	4.50	4.90	25.60	9.90	64.50	86	11	3

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.499590	0.054528	0.207373	0.147926	0.027658	0.006798	0.011091	0.006226	0.000954	0.000578	0.029982	0.003446	0.003849
Recreational Swimming Pool	0.499590	0.054528	0.207373	0.147926	0.027658	0.006798	0.011091	0.006226	0.000954	0.000578	0.029982	0.003446	0.003849
Single Family Housing	0.499590	0.054528	0.207373	0.147926	0.027658	0.006798	0.011091	0.006226	0.000954	0.000578	0.029982	0.003446	0.003849

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.8110	30.8110	5.9000e-004	5.6000e-004	30.9941
NaturalGas Unmitigated	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.8110	30.8110	5.9000e-004	5.6000e-004	30.9941

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	261.893	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.8110	30.8110	5.9000e-004	5.6000e-004	30.9941
<b>Total</b>		<b>2.8200e-003</b>	<b>0.0241</b>	<b>0.0103</b>	<b>1.5000e-004</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>30.8110</b>	<b>30.8110</b>	<b>5.9000e-004</b>	<b>5.6000e-004</b>	<b>30.9941</b>



Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.261893	2.8200e-003	0.0241	0.0103	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003		30.8110	30.8110	5.9000e-004	5.6000e-004	30.9941
<b>Total</b>		<b>2.8200e-003</b>	<b>0.0241</b>	<b>0.0103</b>	<b>1.5000e-004</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>30.8110</b>	<b>30.8110</b>	<b>5.9000e-004</b>	<b>5.6000e-004</b>	<b>30.9941</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8815	3.8200e-003	0.3325	2.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	0.6003	0.6003	5.8000e-004	0.0000	0.6150
Unmitigated	0.8815	3.8200e-003	0.3325	2.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003	0.0000	0.6003	0.6003	5.8000e-004	0.0000	0.6150

**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	0.0819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0102	3.8200e-003	0.3325	2.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003		0.6003	0.6003	5.8000e-004		0.6150
<b>Total</b>	<b>0.8815</b>	<b>3.8200e-003</b>	<b>0.3325</b>	<b>2.0000e-005</b>		<b>1.8400e-003</b>	<b>1.8400e-003</b>		<b>1.8400e-003</b>	<b>1.8400e-003</b>	<b>0.0000</b>	<b>0.6003</b>	<b>0.6003</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>0.6150</b>

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0819					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7895					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0102	3.8200e-003	0.3325	2.0000e-005		1.8400e-003	1.8400e-003		1.8400e-003	1.8400e-003		0.6003	0.6003	5.8000e-004		0.6150
<b>Total</b>	<b>0.8815</b>	<b>3.8200e-003</b>	<b>0.3325</b>	<b>2.0000e-005</b>		<b>1.8400e-003</b>	<b>1.8400e-003</b>		<b>1.8400e-003</b>	<b>1.8400e-003</b>	<b>0.0000</b>	<b>0.6003</b>	<b>0.6003</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>0.6150</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Whitman Trust VTTM - Santa Barbara-South of Santa Ynez Range County, Winter

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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