

## APPENDIX H – GREENHOUSE GAS MODEL RUN OUTPUTS



Everett Street Terraces - Ventura County, Annual

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

**Everett Street Terraces**

Ventura County, Annual

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	156.00	Space	1.40	28,080.00	0
Recreational Swimming Pool	5.00	1000sqft	0.11	5,000.00	0
Condo/Townhouse High Rise	60.00	Dwelling Unit	0.94	71,423.00	184

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2024

Utility Company Southern California Edison

CO2 Intensity (lb/MW/hr)	390.98	CH4 Intensity (lb/MW/hr)	0.033	N2O Intensity (lb/MW/hr)	0.004
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**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - 60 condos 71,423 sqft. 156 parking spaces 28,080 sqft. 5.0 TSF Rec Swim Pool (Common Area) (Lobby 225 sqft+Office 137 sqft+Change Rooms 330 sqft) Lot Size 2.438 acres

Construction Phase - Site Prep extended to 10 days and Grading extended to 40 days. Paving and Architectural Coating would occur concurrently over 50 days  
Grading - Export of 1,174 cu yds of dirt

Vehicle Trips - Daily Trip Rate set to match TIA

Mobile Land Use Mitigation - Improve Ped Network Onsite and Connecting Offsite. 250 feet (0.05 mile) from Civic Center Bus Stop

Energy Mitigation - Solar PV System = 3.6 kW System. 8 hr per day. 1.2 DC to AC conversion. Total 24 kWh per day = 8,760 kWhr per year

Water Mitigation - Install Low-Flow fixtures and Use Water-Efficient Irrigation Systems

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	50.00
tblConstructionPhase	NumDays	6.00	40.00
tblConstructionPhase	NumDays	10.00	50.00
tblConstructionPhase	NumDays	3.00	10.00
tblGrading	MaterialExported	0.00	1,174.00
tblLandUse	LandUseSquareFeet	62,400.00	28,080.00
tblLandUse	LandUseSquareFeet	60,000.00	71,423.00
tblVehicleTrips	ST_TR	4.91	5.82
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	4.09	5.82
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	5.44	5.82
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**

Year	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2023	0.1520	1.2586	1.2188	2.5400e-003	0.1866	0.0536	0.2402	0.0793	0.0507	0.1300	0.0000	218.4927	218.4927	0.0414	3.4100e-003	220.5437
2024	0.4812	0.8705	1.0934	2.0300e-003	0.0309	0.0373	0.0681	8.2900e-003	0.0354	0.0437	0.0000	174.6441	174.6441	0.0321	2.1100e-003	176.0747
<b>Maximum</b>	<b>0.4812</b>	<b>1.2586</b>	<b>1.2188</b>	<b>2.5400e-003</b>	<b>0.1866</b>	<b>0.0536</b>	<b>0.2402</b>	<b>0.0793</b>	<b>0.0507</b>	<b>0.1300</b>	<b>0.0000</b>	<b>218.4927</b>	<b>218.4927</b>	<b>0.0414</b>	<b>3.4100e-003</b>	<b>220.5437</b>

**Mitigated Construction**

Year	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2023	0.1520	1.2586	1.2188	2.5400e-003	0.1866	0.0536	0.2402	0.0793	0.0507	0.1300	0.0000	218.4925	218.4925	0.0414	3.4100e-003	220.5435
2024	0.4812	0.8705	1.0934	2.0300e-003	0.0309	0.0373	0.0681	8.2900e-003	0.0354	0.0437	0.0000	174.6439	174.6439	0.0321	2.1100e-003	176.0745
<b>Maximum</b>	<b>0.4812</b>	<b>1.2586</b>	<b>1.2188</b>	<b>2.5400e-003</b>	<b>0.1866</b>	<b>0.0536</b>	<b>0.2402</b>	<b>0.0793</b>	<b>0.0507</b>	<b>0.1300</b>	<b>0.0000</b>	<b>218.4925</b>	<b>218.4925</b>	<b>0.0414</b>	<b>3.4100e-003</b>	<b>220.5435</b>

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

ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	4-2-2023	7-1-2023	0.3691	0.3691
2	7-2-2023	10-1-2023	0.5286	0.5286
3	10-2-2023	1-1-2024	0.5293	0.5293
4	1-2-2024	4-1-2024	0.4932	0.4932
5	4-2-2024	7-1-2024	0.6799	0.6799
6	7-2-2024	9-30-2024	0.1805	0.1805
		Highest	0.6799	0.6799

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

**2.2 Overall Operational**  
**Unmitigated Operational**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	0.3340	5.1400e-003	0.4468	2.0000e-005	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	0.0000	0.7306	0.7306	7.1000e-004	0.0000	0.7483
Energy	3.6100e-003	0.0308	0.0131	2.0000e-004	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	0.0000	106.3474	106.3474	6.6500e-003	1.3800e-003	106.9240
Mobile	0.1788	0.2132	1.6591	3.3400e-003	0.3634	2.6800e-003	0.3661	0.0970	2.5000e-003	0.0995	0.0000	313.7011	313.7011	0.0216	0.0149	318.6768
Waste						0.0000	0.0000		0.0000	0.0000	11.3878	0.0000	11.3878	0.6730	0.0000	28.2128
Water						0.0000	0.0000		0.0000	0.0000	1.3340	14.9231	16.2572	0.1383	3.3900e-003	20.7238
<b>Total</b>	<b>0.5164</b>	<b>0.2492</b>	<b>2.1191</b>	<b>3.5600e-003</b>	<b>0.3634</b>	<b>7.6400e-003</b>	<b>0.3710</b>	<b>0.0970</b>	<b>7.4600e-003</b>	<b>0.1045</b>	<b>12.7218</b>	<b>435.7022</b>	<b>448.4240</b>	<b>0.8402</b>	<b>0.0197</b>	<b>475.2855</b>

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**2.2 Overall Operational**

Mitigated Operational

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	0.3340	5.1400e-003	0.4468	2.0000e-005	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	0.0000	0.7306	0.7306	7.1000e-004	0.0000	0.7483
Energy	3.6100e-003	0.0308	0.0131	2.0000e-004	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	0.0000	104.7938	104.7938	6.5200e-003	1.3600e-003	105.3624
Mobile	0.1574	0.1713	1.3395	2.5500e-003	0.2745	2.0900e-003	0.2766	1.9500e-003	0.0752	0.0752	0.0000	238.9941	238.9941	0.0181	0.0121	243.0498
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	11.3878	11.3878	0.6730	0.0000	28.2128	
Water						0.0000	0.0000	0.0000	0.0000	0.0000	1.0672	12.6631	13.7303	0.1107	2.7200e-003	17.3073
<b>Total</b>	<b>0.4950</b>	<b>0.2072</b>	<b>1.7994</b>	<b>2.7700e-003</b>	<b>0.2745</b>	<b>7.0500e-003</b>	<b>0.2816</b>	<b>6.9100e-003</b>	<b>0.0802</b>	<b>12.4550</b>	<b>357.1816</b>	<b>369.6366</b>	<b>0.8090</b>	<b>0.0162</b>	<b>394.6806</b>	

Percent Reduction	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
4.15	16.84	15.09	22.19	24.45	7.72	24.11	24.45	7.37	23.24	2.10	18.02	17.57	3.71	17.75	16.96	

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/29/2023	5/12/2023	5	10	
2	Grading	Grading	5/13/2023	7/8/2023	5	40	
3	Building Construction	Building Construction	7/9/2023	5/10/2024	5	220	

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4	Paving	5/11/2024	7/21/2024	5	50
5	Architectural Coating	5/11/2024	7/21/2024	5	50

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

**Acres of Grading (Grading Phase): 40**

**Acres of Paving: 1.4**

**Residential Indoor: 144,632; Residential Outdoor: 48,211; Non-Residential Indoor: 1,038; Non-Residential Outdoor: 346; Striped Parking Area: 1,685 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
	Air Compressors	1	6.00	78	0.48
	Cement and Mortar Mixers	1	8.00	9	0.56
	Cranes	1	8.00	231	0.29
	Forklifts	2	7.00	89	0.20
	Generator Sets	1	8.00	84	0.74
	Graders	1	8.00	187	0.41
	Graders	1	8.00	187	0.41
	Pavers	1	8.00	130	0.42
	Paving Equipment	1	8.00	132	0.36
	Rollers	2	8.00	80	0.38
	Rubber Tired Dozers	1	8.00	247	0.40
	Scrapers	1	8.00	367	0.48
	Tractors/Loaders/Backhoes	1	6.00	97	0.37
	Tractors/Loaders/Backhoes	2	7.00	97	0.37
	Tractors/Loaders/Backhoes	1	8.00	97	0.37
	Tractors/Loaders/Backhoes	1	7.00	97	0.37
	Welders	3	8.00	46	0.45
Site Preparation	Graders	1	8.00	187	0.41



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Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	147.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	57.00	12.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	11.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

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

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

Category	tons/yr										MT/yr					CO2e	
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O		
Fugitive Dust					7.9500e-003	0.0000	7.9500e-003	8.6000e-004	0.0000	8.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5100e-003	0.0714	0.0489	1.2000e-004	2.7100e-003	2.7100e-003	2.7100e-003	2.4900e-003	0.0000	2.4900e-003	0.0000	10.7722	10.7722	3.4800e-003	0.0000	0.0000	10.8593
<b>Total</b>	<b>6.5100e-003</b>	<b>0.0714</b>	<b>0.0489</b>	<b>1.2000e-004</b>	<b>7.9500e-003</b>	<b>2.7100e-003</b>	<b>0.0107</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>3.3500e-003</b>	<b>0.0000</b>	<b>10.7722</b>	<b>10.7722</b>	<b>3.4800e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>10.8593</b>

**Unmitigated Construction Off-Site**

Category	tons/yr										MT/yr					CO2e	
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O		
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	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	0.0000
Worker	1.1000e-004	8.0000e-005	1.0000e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2508	0.2508	1.0000e-005	1.0000e-005	0.2532	0.2532
<b>Total</b>	<b>1.1000e-004</b>	<b>8.0000e-005</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.2508</b>	<b>0.2508</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2532</b>	<b>0.2532</b>

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**3.2 Site Preparation - 2023**

**Mitigated Construction On-Site**

Category	tons/yr										MT/yr					CO2e
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Fugitive Dust					7.9500e-003	0.0000	7.9500e-003	8.6000e-004	0.0000	8.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5100e-003	0.0714	0.0489	1.2000e-004	2.7100e-003	2.7100e-003	2.4900e-003	2.4900e-003	0.0000	2.4900e-003	0.0000	10.7722	10.7722	3.4800e-003	0.0000	10.8593
<b>Total</b>	<b>6.5100e-003</b>	<b>0.0714</b>	<b>0.0489</b>	<b>1.2000e-004</b>	<b>7.9500e-003</b>	<b>2.7100e-003</b>	<b>2.4900e-003</b>	<b>3.3500e-003</b>	<b>0.0000</b>	<b>3.3500e-003</b>	<b>0.0000</b>	<b>10.7722</b>	<b>10.7722</b>	<b>3.4800e-003</b>	<b>0.0000</b>	<b>10.8593</b>

**Mitigated Construction Off-Site**

Category	tons/yr										MT/yr					CO2e
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	8.0000e-005	1.0000e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2508	0.2508	1.0000e-005	1.0000e-005	0.2532
<b>Total</b>	<b>1.1000e-004</b>	<b>8.0000e-005</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.2508</b>	<b>0.2508</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2532</b>

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

**3.3 Grading - 2023**

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					CO2e
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Fugitive Dust					0.1417	0.0000	0.1417	0.0685	0.0000	0.0685	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0267	0.2894	0.1741	4.1000e-004		0.0121	0.0121	0.0111	0.0000	0.0111	0.0000	36.2078	36.2078	0.0117	0.0000	36.5006
<b>Total</b>	<b>0.0267</b>	<b>0.2894</b>	<b>0.1741</b>	<b>4.1000e-004</b>	<b>0.1417</b>	<b>0.0121</b>	<b>0.1538</b>	<b>0.0685</b>	<b>0.0111</b>	<b>0.0796</b>	<b>0.0000</b>	<b>36.2078</b>	<b>36.2078</b>	<b>0.0117</b>	<b>0.0000</b>	<b>36.5006</b>

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					CO2e
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Hauling	1.4000e-004	9.1900e-003	2.5200e-003	4.0000e-005	1.2600e-003	6.0000e-005	1.3300e-003	3.5000e-004	6.0000e-005	4.1000e-004	0.0000	4.1750	4.1750	2.8000e-004	6.7000e-004	4.3802
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	5.7000e-004	4.0000e-004	4.9800e-003	1.0000e-005	1.6100e-003	1.0000e-005	1.6200e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.2541	1.2541	4.0000e-005	4.0000e-005	1.2660
<b>Total</b>	<b>7.1000e-004</b>	<b>9.5900e-003</b>	<b>7.5000e-003</b>	<b>5.0000e-005</b>	<b>2.8700e-003</b>	<b>7.0000e-005</b>	<b>2.9500e-003</b>	<b>7.8000e-004</b>	<b>7.0000e-005</b>	<b>8.5000e-004</b>	<b>0.0000</b>	<b>5.4290</b>	<b>5.4290</b>	<b>3.2000e-004</b>	<b>7.1000e-004</b>	<b>5.6463</b>

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

**3.3 Grading - 2023**

**Mitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.1417	0.0000	0.1417	0.0685	0.0000	0.0685	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0267	0.2894	0.1741	4.1000e-004		0.0121	0.0121	0.0111	0.0000	0.0111	0.0000	36.2078	36.2078	0.0117	0.0000	36.5005
<b>Total</b>	<b>0.0267</b>	<b>0.2894</b>	<b>0.1741</b>	<b>4.1000e-004</b>	<b>0.1417</b>	<b>0.0121</b>	<b>0.1538</b>	<b>0.0685</b>	<b>0.0111</b>	<b>0.0796</b>	<b>0.0000</b>	<b>36.2078</b>	<b>36.2078</b>	<b>0.0117</b>	<b>0.0000</b>	<b>36.5005</b>

**Mitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	1.4000e-004	9.1900e-003	2.5200e-003	4.0000e-005	1.2600e-003	6.0000e-005	1.3300e-003	3.5000e-004	6.0000e-005	4.1000e-004	0.0000	4.1750	4.1750	2.8000e-004	6.7000e-004	4.3802
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	5.7000e-004	4.0000e-004	4.9800e-003	1.0000e-005	1.6100e-003	1.0000e-005	1.6200e-003	4.3000e-004	1.0000e-005	4.4000e-004	0.0000	1.2541	1.2541	4.0000e-005	4.0000e-005	1.2660
<b>Total</b>	<b>7.1000e-004</b>	<b>9.5900e-003</b>	<b>7.5000e-003</b>	<b>5.0000e-005</b>	<b>2.8700e-003</b>	<b>7.0000e-005</b>	<b>2.9500e-003</b>	<b>7.8000e-004</b>	<b>7.0000e-005</b>	<b>8.5000e-004</b>	<b>0.0000</b>	<b>5.4290</b>	<b>5.4290</b>	<b>3.2000e-004</b>	<b>7.1000e-004</b>	<b>5.6463</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 Building Construction - 2023**

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.1071	0.8515	0.8884	1.5600e-003		0.0384	0.0384	0.0368	0.0368	0.0368	0.0000	129.8138	129.8138	0.0246	0.0000	130.4275
<b>Total</b>	<b>0.1071</b>	<b>0.8515</b>	<b>0.8884</b>	<b>1.5600e-003</b>		<b>0.0384</b>	<b>0.0384</b>	<b>0.0368</b>	<b>0.0368</b>	<b>0.0368</b>	<b>0.0000</b>	<b>129.8138</b>	<b>129.8138</b>	<b>0.0246</b>	<b>0.0000</b>	<b>130.4275</b>

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	7.3000e-004	0.0295	0.0102	1.4000e-004	5.0000e-003	1.7000e-004	5.1700e-003	1.6000e-004	1.6000e-004	1.6000e-003	0.0000	13.6810	13.6810	5.6000e-004	2.0500e-003	14.3054
Worker	0.0102	7.1400e-003	0.0887	2.4000e-004	0.0287	1.6000e-004	0.0289	1.5000e-004	7.6300e-003	7.7800e-003	0.0000	22.3381	22.3381	7.1000e-004	6.6000e-004	22.5514
<b>Total</b>	<b>0.0109</b>	<b>0.0367</b>	<b>0.0989</b>	<b>3.8000e-004</b>	<b>0.0337</b>	<b>3.3000e-004</b>	<b>0.0341</b>	<b>3.1000e-004</b>	<b>9.3800e-003</b>	<b>9.3800e-003</b>	<b>0.0000</b>	<b>36.0191</b>	<b>36.0191</b>	<b>1.2700e-003</b>	<b>2.7100e-003</b>	<b>36.8568</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 Building Construction - 2023**

**Mitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.1071	0.8515	0.8884	1.5600e-003	0.0384	0.0384	0.0384	0.0368	0.0368	0.0368	0.0000	129.8136	129.8136	0.0246	0.0000	130.4274
<b>Total</b>	<b>0.1071</b>	<b>0.8515</b>	<b>0.8884</b>	<b>1.5600e-003</b>	<b>0.0384</b>	<b>0.0384</b>	<b>0.0384</b>	<b>0.0368</b>	<b>0.0368</b>	<b>0.0368</b>	<b>0.0000</b>	<b>129.8136</b>	<b>129.8136</b>	<b>0.0246</b>	<b>0.0000</b>	<b>130.4274</b>

**Mitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	7.3000e-004	0.0295	0.0102	1.4000e-004	5.0000e-003	1.7000e-004	5.1700e-003	1.6000e-004	1.6000e-004	1.6000e-003	0.0000	13.6810	13.6810	5.6000e-004	2.0500e-003	14.3054
Worker	0.0102	7.1400e-003	0.0887	2.4000e-004	0.0287	1.6000e-004	0.0289	1.5000e-004	7.6300e-003	7.7800e-003	0.0000	22.3381	22.3381	7.1000e-004	6.6000e-004	22.5514
<b>Total</b>	<b>0.0109</b>	<b>0.0367</b>	<b>0.0989</b>	<b>3.8000e-004</b>	<b>0.0337</b>	<b>3.3000e-004</b>	<b>0.0341</b>	<b>3.1000e-004</b>	<b>9.3800e-003</b>	<b>9.3800e-003</b>	<b>0.0000</b>	<b>36.0191</b>	<b>36.0191</b>	<b>1.2700e-003</b>	<b>2.7100e-003</b>	<b>36.8568</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 Building Construction - 2024**

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0759	0.6091	0.6698	1.1900e-003	0.0256	0.0256	0.0256	0.0245	0.0245	0.0245	0.0000	98.6641	98.6641	0.0184	0.0000	99.1235
<b>Total</b>	<b>0.0759</b>	<b>0.6091</b>	<b>0.6698</b>	<b>1.1900e-003</b>	<b>0.0256</b>	<b>0.0256</b>	<b>0.0256</b>	<b>0.0245</b>	<b>0.0245</b>	<b>0.0245</b>	<b>0.0000</b>	<b>98.6641</b>	<b>98.6641</b>	<b>0.0184</b>	<b>0.0000</b>	<b>99.1235</b>

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4000e-004	0.0223	7.7400e-003	1.0000e-004	3.8000e-003	1.3000e-004	3.9300e-003	1.2000e-004	1.2000e-004	1.2200e-003	0.0000	10.2407	10.2407	4.4000e-004	1.5300e-003	10.7084
Worker	7.2300e-003	4.8700e-003	0.0629	1.8000e-004	0.0218	1.2000e-004	0.0220	1.1000e-003	5.8000e-004	5.9000e-003	0.0000	16.5872	16.5872	5.0000e-004	4.6000e-004	16.7381
<b>Total</b>	<b>7.7700e-003</b>	<b>0.0272</b>	<b>0.0706</b>	<b>2.8000e-004</b>	<b>0.0256</b>	<b>2.5000e-004</b>	<b>0.0259</b>	<b>6.9000e-003</b>	<b>2.3000e-004</b>	<b>7.1200e-003</b>	<b>0.0000</b>	<b>26.8280</b>	<b>26.8280</b>	<b>9.4000e-004</b>	<b>1.9900e-003</b>	<b>27.4466</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 Building Construction - 2024**

**Mitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0759	0.6091	0.6698	1.1900e-003	0.0256	0.0256	0.0256	0.0245	0.0245	0.0245	0.0000	98.6640	98.6640	0.0184	0.0000	99.1234
<b>Total</b>	<b>0.0759</b>	<b>0.6091</b>	<b>0.6698</b>	<b>1.1900e-003</b>	<b>0.0256</b>	<b>0.0256</b>	<b>0.0256</b>	<b>0.0245</b>	<b>0.0245</b>	<b>0.0245</b>	<b>0.0000</b>	<b>98.6640</b>	<b>98.6640</b>	<b>0.0184</b>	<b>0.0000</b>	<b>99.1234</b>

**Mitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4000e-004	0.0223	7.7400e-003	1.0000e-004	3.8000e-003	1.3000e-004	3.9300e-003	1.2000e-004	1.2000e-004	1.2200e-003	0.0000	10.2407	10.2407	4.4000e-004	1.5300e-003	10.7084
Worker	7.2300e-003	4.8700e-003	0.0629	1.8000e-004	0.0218	1.2000e-004	0.0220	1.1000e-003	5.8000e-004	5.9000e-003	0.0000	16.5872	16.5872	5.0000e-004	4.6000e-004	16.7381
<b>Total</b>	<b>7.7700e-003</b>	<b>0.0272</b>	<b>0.0706</b>	<b>2.8000e-004</b>	<b>0.0256</b>	<b>2.5000e-004</b>	<b>0.0259</b>	<b>6.9000e-003</b>	<b>2.3000e-004</b>	<b>7.1200e-003</b>	<b>0.0000</b>	<b>26.8280</b>	<b>26.8280</b>	<b>9.4000e-004</b>	<b>1.9900e-003</b>	<b>27.4466</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 Paving - 2024**

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0211	0.2026	0.2927	4.5000e-004	9.8900e-003	9.8900e-003	9.8900e-003	9.1300e-003	9.1300e-003	9.1300e-003	0.0000	38.7867	38.7867	0.0123	0.0000	39.0941
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0211</b>	<b>0.2026</b>	<b>0.2927</b>	<b>4.5000e-004</b>	<b>9.8900e-003</b>	<b>9.8900e-003</b>	<b>9.8900e-003</b>	<b>9.1300e-003</b>	<b>9.1300e-003</b>	<b>9.1300e-003</b>	<b>0.0000</b>	<b>38.7867</b>	<b>38.7867</b>	<b>0.0123</b>	<b>0.0000</b>	<b>39.0941</b>

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-003	6.7000e-004	8.7100e-003	2.0000e-005	3.0200e-003	2.0000e-005	3.0400e-003	1.0000e-005	8.0000e-004	8.2000e-004	0.0000	2.2974	2.2974	7.0000e-005	6.0000e-005	2.3183
<b>Total</b>	<b>1.0000e-003</b>	<b>6.7000e-004</b>	<b>8.7100e-003</b>	<b>2.0000e-005</b>	<b>3.0200e-003</b>	<b>2.0000e-005</b>	<b>3.0400e-003</b>	<b>1.0000e-005</b>	<b>8.2000e-004</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.2974</b>	<b>2.2974</b>	<b>7.0000e-005</b>	<b>6.0000e-005</b>	<b>2.3183</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 Paving - 2024**

**Mitigated Construction On-Site**

Category	tons/yr										MT/yr					CO2e
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Off-Road	0.0211	0.2026	0.2927	4.5000e-004	9.8900e-003	9.8900e-003	9.8900e-003	9.1300e-003	9.1300e-003	9.1300e-003	0.0000	38.7867	38.7867	0.0123	0.0000	39.0940
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0211</b>	<b>0.2026</b>	<b>0.2927</b>	<b>4.5000e-004</b>	<b>9.8900e-003</b>	<b>9.8900e-003</b>	<b>9.8900e-003</b>	<b>9.1300e-003</b>	<b>9.1300e-003</b>	<b>9.1300e-003</b>	<b>0.0000</b>	<b>38.7867</b>	<b>38.7867</b>	<b>0.0123</b>	<b>0.0000</b>	<b>39.0940</b>

**Mitigated Construction Off-Site**

Category	tons/yr										MT/yr					CO2e
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-003	6.7000e-004	8.7100e-003	2.0000e-005	3.0200e-003	2.0000e-005	3.0400e-003	1.0000e-005	8.0000e-004	8.2000e-004	0.0000	2.2974	2.2974	7.0000e-005	6.0000e-005	2.3183
<b>Total</b>	<b>1.0000e-003</b>	<b>6.7000e-004</b>	<b>8.7100e-003</b>	<b>2.0000e-005</b>	<b>3.0200e-003</b>	<b>2.0000e-005</b>	<b>3.0400e-003</b>	<b>1.0000e-005</b>	<b>8.2000e-004</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.2974</b>	<b>2.2974</b>	<b>7.0000e-005</b>	<b>6.0000e-005</b>	<b>2.3183</b>

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

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	0.3702					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5200e-003	0.0305	0.0453	7.0000e-005	1.5200e-003	1.5200e-003	1.5200e-003	1.5200e-003	1.5200e-003	1.5200e-003	0.0000	6.3831	6.3831	3.6000e-004	0.0000	6.3921
<b>Total</b>	<b>0.3748</b>	<b>0.0305</b>	<b>0.0453</b>	<b>7.0000e-005</b>	<b>1.5200e-003</b>	<b>1.5200e-003</b>	<b>1.5200e-003</b>	<b>1.5200e-003</b>	<b>1.5200e-003</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>6.3831</b>	<b>6.3831</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>6.3921</b>

**Unmitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	4.9000e-004	6.3900e-003	2.0000e-005	2.2200e-003	1.0000e-005	2.2300e-003	1.0000e-005	1.0000e-005	6.0000e-004	0.0000	1.6848	1.6848	5.0000e-005	5.0000e-005	1.7001
<b>Total</b>	<b>7.3000e-004</b>	<b>4.9000e-004</b>	<b>6.3900e-003</b>	<b>2.0000e-005</b>	<b>2.2200e-003</b>	<b>1.0000e-005</b>	<b>2.2300e-003</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>1.6848</b>	<b>1.6848</b>	<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>1.7001</b>

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**3.6 Architectural Coating - 2024**

**Mitigated Construction On-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	0.3702					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5200e-003	0.0305	0.0453	7.0000e-005	1.5200e-003	1.5200e-003	1.5200e-003	1.5200e-003	1.5200e-003	1.5200e-003	0.0000	6.3831	6.3831	3.6000e-004	0.0000	6.3921
<b>Total</b>	<b>0.3748</b>	<b>0.0305</b>	<b>0.0453</b>	<b>7.0000e-005</b>	<b>1.5200e-003</b>	<b>1.5200e-003</b>	<b>1.5200e-003</b>	<b>1.5200e-003</b>	<b>1.5200e-003</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>6.3831</b>	<b>6.3831</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>6.3921</b>

**Mitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.3000e-004	4.9000e-004	6.3900e-003	2.0000e-005	2.2200e-003	1.0000e-005	2.2300e-003	1.0000e-005	1.0000e-005	6.0000e-004	0.0000	1.6848	1.6848	5.0000e-005	5.0000e-005	1.7001
<b>Total</b>	<b>7.3000e-004</b>	<b>4.9000e-004</b>	<b>6.3900e-003</b>	<b>2.0000e-005</b>	<b>2.2200e-003</b>	<b>1.0000e-005</b>	<b>2.2300e-003</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>1.6848</b>	<b>1.6848</b>	<b>5.0000e-005</b>	<b>5.0000e-005</b>	<b>1.7001</b>

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**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

- Increase Transit Accessibility
- Improve Pedestrian Network

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.1574	0.1713	1.3395	2.5500e-003	0.2745	2.0900e-003	0.2766	0.0733	1.9500e-003	0.0752	0.0000	238.9941	238.9941	0.0181	0.0121	243.0498
Unmitigated	0.1788	0.2132	1.6591	3.3400e-003	0.3634	2.6800e-003	0.3661	0.0970	2.5000e-003	0.0995	0.0000	313.7011	313.7011	0.0216	0.0149	318.6768

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Condo/Townhouse High Rise	349.20	349.20	349.20	964,865	964,865	728,900	728,900
Enclosed Parking with Elevator	0.00	0.00	0.00				
Recreational Swimming Pool	0.00	0.00	0.00				
<b>Total</b>	<b>349.20</b>	<b>349.20</b>	<b>349.20</b>	<b>964,865</b>	<b>964,865</b>	<b>728,900</b>	<b>728,900</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	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse High Rise	10.80	7.30	7.50	32.90	18.00	49.10	86	11	3			
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0			

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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-NW	H-W or C-W	H-S or C-C	H-O or C-NW	H-O or C-NW	Primary	Diverted	Pass-by	
Recreational Swimming Pool	9.50	7.30	7.30	7.30	33.00	48.00	19.00	52	39	9		

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse High Rise	0.548670	0.058343	0.171689	0.130773	0.027316	0.007545	0.011806	0.006161	0.000681	0.000392	0.029028	0.000637	0.006958
Enclosed Parking with Elevator	0.548670	0.058343	0.171689	0.130773	0.027316	0.007545	0.011806	0.006161	0.000681	0.000392	0.029028	0.000637	0.006958
Recreational Swimming Pool	0.548670	0.058343	0.171689	0.130773	0.027316	0.007545	0.011806	0.006161	0.000681	0.000392	0.029028	0.000637	0.006958

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Kilowatt Hours of Renewable Electricity Generated

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Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	69.0946	5.8300e-003	7.1000e-004	69.4511	
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	70.6482	5.9600e-003	7.2000e-004	71.0127	
NaturalGas Mitigated	3.6100e-003	0.0308	0.0131	2.0000e-004	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	0.0000	35.6992	6.8000e-004	6.5000e-004	35.9113	
NaturalGas Unmitigated	3.6100e-003	0.0308	0.0131	2.0000e-004	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	0.0000	35.6992	6.8000e-004	6.5000e-004	35.9113	

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

Land Use	NaturalGas Use kBTU/yr	tons/yr										MT/yr				
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O
Condo/Townhouse High Rise	668977	3.6100e-003	0.0308	0.0131	2.0000e-004	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	2.4900e-003	0.0000	35.6992	6.8000e-004	6.5000e-004	35.9113	
Enclosed Parking with Elevator	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	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	0.0000
<b>Total</b>		<b>3.6100e-003</b>	<b>0.0308</b>	<b>0.0131</b>	<b>2.0000e-004</b>	<b>2.4900e-003</b>	<b>2.4900e-003</b>	<b>2.4900e-003</b>	<b>2.4900e-003</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>35.6992</b>	<b>6.8000e-004</b>	<b>6.5000e-004</b>	<b>35.9113</b>	



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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

Land Use	NaturalGas Use kBTU/yr	tons/yr										MT/yr								
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e			
Condo/Townhouse High Rise	668977	3.6100e-003	0.0308	0.0131	2.0000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003	0.0000	35.6992	35.6992	6.8000e-004	6.5000e-004	35.9113
Enclosed Parking with Elevator	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	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	0.0000	0.0000
<b>Total</b>		<b>3.6100e-003</b>	<b>0.0308</b>	<b>0.0131</b>	<b>2.0000e-004</b>		<b>2.4900e-003</b>	<b>2.4900e-003</b>		<b>2.4900e-003</b>	<b>2.4900e-003</b>		<b>2.4900e-003</b>	<b>2.4900e-003</b>	<b>0.0000</b>	<b>35.6992</b>	<b>35.6992</b>	<b>6.8000e-004</b>	<b>6.5000e-004</b>	<b>35.9113</b>

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
MT/yr					
Condo/Townhouse High Rise	245609	43.5577	3.6800e-003	4.5000e-004	43.7824
Enclosed Parking with Elevator	152765	27.0905	2.2900e-003	2.8000e-004	27.2302
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>70.6482</b>	<b>5.9700e-003</b>	<b>7.3000e-004</b>	<b>71.0127</b>

**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

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
		MT/yr			
Condo/Townhouse e High Rise	242689	43.0399	3.6300e-003	4.4000e-004	43.2619
Enclosed Parking with Elevator	149835	26.5726	2.2400e-003	2.7000e-004	26.7097
Recreational Swimming Pool	-2920	-0.5179	0.0000	0.0000	-0.5205
<b>Total</b>		<b>69.0946</b>	<b>5.8300e-003</b>	<b>7.0000e-004</b>	<b>69.4511</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**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Mitigated	0.3340	5.1400e-003	0.4468	2.0000e-005	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	0.0000	0.7306	0.7306	7.1000e-004	0.0000	0.7483
Unmitigated	0.3340	5.1400e-003	0.4468	2.0000e-005	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	0.0000	0.7306	0.7306	7.1000e-004	0.0000	0.7483
MT/yr																

**6.2 Area by SubCategory**

**Unmitigated**

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
tons/yr																
Architectural Coating	0.0370					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2835					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0135	5.1400e-003	0.4468	2.0000e-005	2.4700e-003	2.4700e-003	2.4700e-003		2.4700e-003	2.4700e-003	0.0000	0.7306	0.7306	7.1000e-004	0.0000	0.7483
<b>Total</b>	<b>0.3340</b>	<b>5.1400e-003</b>	<b>0.4468</b>	<b>2.0000e-005</b>		<b>2.4700e-003</b>	<b>2.4700e-003</b>		<b>2.4700e-003</b>	<b>2.4700e-003</b>	<b>0.0000</b>	<b>0.7306</b>	<b>0.7306</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>0.7483</b>
MT/yr																

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**6.2 Area by SubCategory**

**Mitigated**

SubCategory	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.0370					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2835					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
Landscaping	0.0135	5.1400e-003	0.4468	2.0000e-005		2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	2.4700e-003	0.0000	0.7306	0.7306	7.1000e-004	0.0000	0.7483
<b>Total</b>	<b>0.3340</b>	<b>5.1400e-003</b>	<b>0.4468</b>	<b>2.0000e-005</b>		<b>2.4700e-003</b>	<b>2.4700e-003</b>	<b>2.4700e-003</b>	<b>2.4700e-003</b>	<b>2.4700e-003</b>	<b>0.0000</b>	<b>0.7306</b>	<b>0.7306</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>0.7483</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

**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	13.7303	0.1107	2.7200e-003	17.3073
Unmitigated	16.2572	0.1383	3.3900e-003	20.7238

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse High Rise	3.90924 / 2.46452	15.1234	0.1286	3.1500e-003	19.2759
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0.295716 / 0.181245	1.1338	9.7200e-003	2.4000e-004	1.4479
<b>Total</b>		<b>16.2572</b>	<b>0.1383</b>	<b>3.3900e-003</b>	<b>20.7237</b>

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**7.2 Water by Land Use**

**Mitigated**

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
Condo/Townhouse	3.12739/	12.7737	0.1029	2.5300e-003	16.0992
High Rise	2.31419				
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0.236573 / 0.170189	0.9567	7.7800e-003	1.9000e-004	1.2082
<b>Total</b>		<b>13.7304</b>	<b>0.1107</b>	<b>2.7200e-003</b>	<b>17.3073</b>

**8.0 Waste Detail**

**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	11.3878	0.6730	0.0000	28.2128
Unmitigated	11.3878	0.6730	0.0000	28.2128

**8.2 Waste by Land Use**

Unmitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
Condo/Townhouse High Rise	27.6	5.6026	0.3311	0.0000	13.8801
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	28.5	5.7852	0.3419	0.0000	14.3327
<b>Total</b>		<b>11.3878</b>	<b>0.6730</b>	<b>0.0000</b>	<b>28.2128</b>



**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

Land Use	Waste Disposed	Total CO2	CH4	N2O	CO2e
	tons	MT/yr			
Condo/Townhouse High Rise	27.6	5.6026	0.3311	0.0000	13.8801
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	28.5	5.7852	0.3419	0.0000	14.3327
<b>Total</b>		<b>11.3878</b>	<b>0.6730</b>	<b>0.0000</b>	<b>28.2128</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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Everett Street Terraces - Ventura County, Annual

**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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