

Habitat Santee 17 Unit Affordable Housing Project - San Diego County, Annual

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

**Habitat Santee 17 Unit Affordable Housing Project  
San Diego County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	33.00	Space	0.30	13,200.00	0
Apartment Low Rise	17.00	Dwelling Unit	1.06	17,000.00	49

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2024
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	539.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

- Project Characteristics -
- Land Use -
- Construction Phase - Painting phase overlapped with building construction to reflect actual construction scheduling.
- Demolition -
- Architectural Coating - Paint VOC concentrations reflect SDAPCD Rule 67 limits.
- Area Coating - SDAPCD Rule 67 VOC limits
- Construction Off-road Equipment Mitigation -
- Area Mitigation - SDAPCD Rule 67
- Water Mitigation -
- Waste Mitigation -

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Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_EF_Parking	250	150
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	10.00	44.00
tblConstructionPhase	PhaseEndDate	1/9/2025	12/12/2024
tblConstructionPhase	PhaseStartDate	12/27/2024	10/12/2024

**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 Not Applied**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-1-2024	4-30-2024	0.4419	0.4419
2	5-1-2024	7-31-2024	0.4183	0.4183
3	8-1-2024	9-30-2024	0.2774	0.2774
		Highest	0.4419	0.4419

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1434	0.0223	1.4432	2.3900e-003		0.1853	0.1853		0.1853	0.1853	17.5603	7.5713	25.1316	0.0164	1.3800e-003	25.9533
Energy	1.0000e-003	8.5300e-003	3.6300e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	27.8311	27.8311	1.2900e-003	3.1000e-004	27.9569
Mobile	0.0624	0.0707	0.5860	1.2400e-003	0.1323	9.7000e-004	0.1333	0.0353	9.0000e-004	0.0362	0.0000	114.5752	114.5752	8.2000e-003	5.2200e-003	116.3353
Waste						0.0000	0.0000		0.0000	0.0000	1.5874	0.0000	1.5874	0.0938	0.0000	3.9327
Water						0.0000	0.0000		0.0000	0.0000	0.3514	5.4326	5.7840	0.0364	8.9000e-004	6.9606
<b>Total</b>	<b>1.2067</b>	<b>0.1016</b>	<b>2.0328</b>	<b>3.6800e-003</b>	<b>0.1323</b>	<b>0.1870</b>	<b>0.3193</b>	<b>0.0353</b>	<b>0.1869</b>	<b>0.2222</b>	<b>19.4991</b>	<b>155.4103</b>	<b>174.9093</b>	<b>0.1561</b>	<b>7.8000e-003</b>	<b>181.1387</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	0.0767	1.4600e-003	0.1265	1.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	0.2068	0.2068	2.0000e-004	0.0000	0.2118
Energy	1.0000e-003	8.5300e-003	3.6300e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	27.8311	27.8311	1.2900e-003	3.1000e-004	27.9569
Mobile	0.0624	0.0707	0.5860	1.2400e-003	0.1323	9.7000e-004	0.1333	0.0353	9.0000e-004	0.0362	0.0000	114.5752	114.5752	8.2000e-003	5.2200e-003	116.3353
Waste						0.0000	0.0000		0.0000	0.0000	0.3969	0.0000	0.3969	0.0235	0.0000	0.9832
Water						0.0000	0.0000		0.0000	0.0000	0.2811	4.3461	4.6272	0.0291	7.1000e-004	5.5684
<b>Total</b>	<b>0.1400</b>	<b>0.0807</b>	<b>0.7161</b>	<b>1.3000e-003</b>	<b>0.1323</b>	<b>2.3600e-003</b>	<b>0.1347</b>	<b>0.0353</b>	<b>2.2900e-003</b>	<b>0.0376</b>	<b>0.6780</b>	<b>146.9592</b>	<b>147.6372</b>	<b>0.0623</b>	<b>6.2400e-003</b>	<b>151.0555</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>88.40</b>	<b>20.51</b>	<b>64.77</b>	<b>64.67</b>	<b>0.00</b>	<b>98.74</b>	<b>57.82</b>	<b>0.00</b>	<b>98.77</b>	<b>83.08</b>	<b>96.52</b>	<b>5.44</b>	<b>15.59</b>	<b>60.11</b>	<b>20.00</b>	<b>16.61</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/1/2024	2/28/2024	5	20	
2	Site Preparation	Site Preparation	2/29/2024	3/1/2024	5	2	
3	Grading	Grading	3/2/2024	3/7/2024	5	4	

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4	Building Construction	Building Construction	3/8/2024	12/12/2024	5	200
5	Paving	Paving	12/13/2024	12/26/2024	5	10
6	Architectural Coating	Architectural Coating	10/12/2024	12/12/2024	5	44

**Acres of Grading (Site Preparation Phase): 1.88**

**Acres of Grading (Grading Phase): 4**

**Acres of Paving: 0.3**

**Residential Indoor: 34,425; Residential Outdoor: 11,475; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 792 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	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	6.00	231	0.29
Building Construction	Forklifts	1	6.00	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	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

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Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	9.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
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	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	18.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

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**3.2 Demolition - 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					1.0000e-003	0.0000	1.0000e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.1389	0.1349	2.4000e-004		6.3100e-003	6.3100e-003		5.8900e-003	5.8900e-003	0.0000	21.0916	21.0916	5.3400e-003	0.0000	21.2250
<b>Total</b>	<b>0.0144</b>	<b>0.1389</b>	<b>0.1349</b>	<b>2.4000e-004</b>	<b>1.0000e-003</b>	<b>6.3100e-003</b>	<b>7.3100e-003</b>	<b>1.5000e-004</b>	<b>5.8900e-003</b>	<b>6.0400e-003</b>	<b>0.0000</b>	<b>21.0916</b>	<b>21.0916</b>	<b>5.3400e-003</b>	<b>0.0000</b>	<b>21.2250</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	1.0000e-005	6.1000e-004	1.6000e-004	0.0000	8.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2653	0.2653	1.0000e-005	4.0000e-005	0.2783
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.2000e-004	2.7700e-003	1.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	2.8000e-004	1.0000e-005	2.8000e-004	0.0000	0.7979	0.7979	2.0000e-005	2.0000e-005	0.8049
<b>Total</b>	<b>3.4000e-004</b>	<b>8.3000e-004</b>	<b>2.9300e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>2.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-004</b>	<b>1.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>1.0632</b>	<b>1.0632</b>	<b>3.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0831</b>

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**3.2 Demolition - 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					4.5000e-004	0.0000	4.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.1389	0.1349	2.4000e-004		6.3100e-003	6.3100e-003		5.8900e-003	5.8900e-003	0.0000	21.0915	21.0915	5.3400e-003	0.0000	21.2250
<b>Total</b>	<b>0.0144</b>	<b>0.1389</b>	<b>0.1349</b>	<b>2.4000e-004</b>	<b>4.5000e-004</b>	<b>6.3100e-003</b>	<b>6.7600e-003</b>	<b>7.0000e-005</b>	<b>5.8900e-003</b>	<b>5.9600e-003</b>	<b>0.0000</b>	<b>21.0915</b>	<b>21.0915</b>	<b>5.3400e-003</b>	<b>0.0000</b>	<b>21.2250</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	1.0000e-005	6.1000e-004	1.6000e-004	0.0000	8.0000e-005	1.0000e-005	8.0000e-005	2.0000e-005	0.0000	3.0000e-005	0.0000	0.2653	0.2653	1.0000e-005	4.0000e-005	0.2783
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.2000e-004	2.7700e-003	1.0000e-005	1.0400e-003	1.0000e-005	1.0500e-003	2.8000e-004	1.0000e-005	2.8000e-004	0.0000	0.7979	0.7979	2.0000e-005	2.0000e-005	0.8049
<b>Total</b>	<b>3.4000e-004</b>	<b>8.3000e-004</b>	<b>2.9300e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>2.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-004</b>	<b>1.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>1.0632</b>	<b>1.0632</b>	<b>3.0000e-005</b>	<b>6.0000e-005</b>	<b>1.0831</b>

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**3.3 Site Preparation - 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					6.2700e-003	0.0000	6.2700e-003	3.0000e-003	0.0000	3.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1100e-003	0.0118	6.6300e-003	2.0000e-005		4.8000e-004	4.8000e-004		4.4000e-004	4.4000e-004	0.0000	1.5113	1.5113	4.9000e-004	0.0000	1.5235
<b>Total</b>	<b>1.1100e-003</b>	<b>0.0118</b>	<b>6.6300e-003</b>	<b>2.0000e-005</b>	<b>6.2700e-003</b>	<b>4.8000e-004</b>	<b>6.7500e-003</b>	<b>3.0000e-003</b>	<b>4.4000e-004</b>	<b>3.4400e-003</b>	<b>0.0000</b>	<b>1.5113</b>	<b>1.5113</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.5235</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0491	0.0491	0.0000	0.0000	0.0495
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0491</b>	<b>0.0491</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0495</b>

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**3.3 Site Preparation - 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					2.8200e-003	0.0000	2.8200e-003	1.3500e-003	0.0000	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1100e-003	0.0118	6.6300e-003	2.0000e-005		4.8000e-004	4.8000e-004		4.4000e-004	4.4000e-004	0.0000	1.5113	1.5113	4.9000e-004	0.0000	1.5235
<b>Total</b>	<b>1.1100e-003</b>	<b>0.0118</b>	<b>6.6300e-003</b>	<b>2.0000e-005</b>	<b>2.8200e-003</b>	<b>4.8000e-004</b>	<b>3.3000e-003</b>	<b>1.3500e-003</b>	<b>4.4000e-004</b>	<b>1.7900e-003</b>	<b>0.0000</b>	<b>1.5113</b>	<b>1.5113</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.5235</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0491	0.0491	0.0000	0.0000	0.0495
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0491</b>	<b>0.0491</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0495</b>

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

**3.4 Grading - 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					0.0142	0.0000	0.0142	6.8500e-003	0.0000	6.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-003	0.0276	0.0174	4.0000e-005		1.1400e-003	1.1400e-003		1.0500e-003	1.0500e-003	0.0000	3.6207	3.6207	1.1700e-003	0.0000	3.6500
<b>Total</b>	<b>2.6000e-003</b>	<b>0.0276</b>	<b>0.0174</b>	<b>4.0000e-005</b>	<b>0.0142</b>	<b>1.1400e-003</b>	<b>0.0153</b>	<b>6.8500e-003</b>	<b>1.0500e-003</b>	<b>7.9000e-003</b>	<b>0.0000</b>	<b>3.6207</b>	<b>3.6207</b>	<b>1.1700e-003</b>	<b>0.0000</b>	<b>3.6500</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	5.0000e-005	3.0000e-005	4.3000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1228	0.1228	0.0000	0.0000	0.1238
<b>Total</b>	<b>5.0000e-005</b>	<b>3.0000e-005</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.1228</b>	<b>0.1228</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1238</b>

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

**3.4 Grading - 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					6.3700e-003	0.0000	6.3700e-003	3.0800e-003	0.0000	3.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-003	0.0276	0.0174	4.0000e-005		1.1400e-003	1.1400e-003		1.0500e-003	1.0500e-003	0.0000	3.6207	3.6207	1.1700e-003	0.0000	3.6500
<b>Total</b>	<b>2.6000e-003</b>	<b>0.0276</b>	<b>0.0174</b>	<b>4.0000e-005</b>	<b>6.3700e-003</b>	<b>1.1400e-003</b>	<b>7.5100e-003</b>	<b>3.0800e-003</b>	<b>1.0500e-003</b>	<b>4.1300e-003</b>	<b>0.0000</b>	<b>3.6207</b>	<b>3.6207</b>	<b>1.1700e-003</b>	<b>0.0000</b>	<b>3.6500</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	5.0000e-005	3.0000e-005	4.3000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1228	0.1228	0.0000	0.0000	0.1238
<b>Total</b>	<b>5.0000e-005</b>	<b>3.0000e-005</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.1228</b>	<b>0.1228</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1238</b>

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

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1420	1.1064	1.2517	2.2100e-003		0.0451	0.0451		0.0435	0.0435	0.0000	181.6113	181.6113	0.0302	0.0000	182.3674
<b>Total</b>	<b>0.1420</b>	<b>1.1064</b>	<b>1.2517</b>	<b>2.2100e-003</b>		<b>0.0451</b>	<b>0.0451</b>		<b>0.0435</b>	<b>0.0435</b>	<b>0.0000</b>	<b>181.6113</b>	<b>181.6113</b>	<b>0.0302</b>	<b>0.0000</b>	<b>182.3674</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	4.5000e-004	0.0176	6.1200e-003	8.0000e-005	2.6600e-003	1.1000e-004	2.7600e-003	7.7000e-004	1.0000e-004	8.7000e-004	0.0000	7.8862	7.8862	2.5000e-004	1.1400e-003	8.2329
Worker	4.5700e-003	3.0300e-003	0.0383	1.2000e-004	0.0144	8.0000e-005	0.0145	3.8400e-003	7.0000e-005	3.9100e-003	0.0000	11.0480	11.0480	3.1000e-004	3.0000e-004	11.1445
<b>Total</b>	<b>5.0200e-003</b>	<b>0.0207</b>	<b>0.0444</b>	<b>2.0000e-004</b>	<b>0.0171</b>	<b>1.9000e-004</b>	<b>0.0173</b>	<b>4.6100e-003</b>	<b>1.7000e-004</b>	<b>4.7800e-003</b>	<b>0.0000</b>	<b>18.9342</b>	<b>18.9342</b>	<b>5.6000e-004</b>	<b>1.4400e-003</b>	<b>19.3774</b>

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

**3.5 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1420	1.1064	1.2517	2.2100e-003		0.0451	0.0451		0.0435	0.0435	0.0000	181.6110	181.6110	0.0302	0.0000	182.3672
<b>Total</b>	<b>0.1420</b>	<b>1.1064</b>	<b>1.2517</b>	<b>2.2100e-003</b>		<b>0.0451</b>	<b>0.0451</b>		<b>0.0435</b>	<b>0.0435</b>	<b>0.0000</b>	<b>181.6110</b>	<b>181.6110</b>	<b>0.0302</b>	<b>0.0000</b>	<b>182.3672</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	4.5000e-004	0.0176	6.1200e-003	8.0000e-005	2.6600e-003	1.1000e-004	2.7600e-003	7.7000e-004	1.0000e-004	8.7000e-004	0.0000	7.8862	7.8862	2.5000e-004	1.1400e-003	8.2329
Worker	4.5700e-003	3.0300e-003	0.0383	1.2000e-004	0.0144	8.0000e-005	0.0145	3.8400e-003	7.0000e-005	3.9100e-003	0.0000	11.0480	11.0480	3.1000e-004	3.0000e-004	11.1445
<b>Total</b>	<b>5.0200e-003</b>	<b>0.0207</b>	<b>0.0444</b>	<b>2.0000e-004</b>	<b>0.0171</b>	<b>1.9000e-004</b>	<b>0.0173</b>	<b>4.6100e-003</b>	<b>1.7000e-004</b>	<b>4.7800e-003</b>	<b>0.0000</b>	<b>18.9342</b>	<b>18.9342</b>	<b>5.6000e-004</b>	<b>1.4400e-003</b>	<b>19.3774</b>

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

**3.6 Paving - 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	3.0900e-003	0.0293	0.0441	7.0000e-005		1.4100e-003	1.4100e-003		1.3000e-003	1.3000e-003	0.0000	5.8870	5.8870	1.8700e-003	0.0000	5.9337
Paving	3.9000e-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>3.4800e-003</b>	<b>0.0293</b>	<b>0.0441</b>	<b>7.0000e-005</b>		<b>1.4100e-003</b>	<b>1.4100e-003</b>		<b>1.3000e-003</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>5.8870</b>	<b>5.8870</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>5.9337</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.1000e-004	1.3800e-003	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3990	0.3990	1.0000e-005	1.0000e-005	0.4024
<b>Total</b>	<b>1.7000e-004</b>	<b>1.1000e-004</b>	<b>1.3800e-003</b>	<b>0.0000</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>5.2000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.3990</b>	<b>0.3990</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4024</b>

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

**3.6 Paving - 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	3.0900e-003	0.0293	0.0441	7.0000e-005		1.4100e-003	1.4100e-003		1.3000e-003	1.3000e-003	0.0000	5.8870	5.8870	1.8700e-003	0.0000	5.9337
Paving	3.9000e-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>3.4800e-003</b>	<b>0.0293</b>	<b>0.0441</b>	<b>7.0000e-005</b>		<b>1.4100e-003</b>	<b>1.4100e-003</b>		<b>1.3000e-003</b>	<b>1.3000e-003</b>	<b>0.0000</b>	<b>5.8870</b>	<b>5.8870</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>5.9337</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.1000e-004	1.3800e-003	0.0000	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3990	0.3990	1.0000e-005	1.0000e-005	0.4024
<b>Total</b>	<b>1.7000e-004</b>	<b>1.1000e-004</b>	<b>1.3800e-003</b>	<b>0.0000</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>5.2000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.3990</b>	<b>0.3990</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4024</b>

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

**3.7 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0268	0.0398	7.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	5.6172	5.6172	3.2000e-004	0.0000	5.6251
<b>Total</b>	<b>0.0599</b>	<b>0.0268</b>	<b>0.0398</b>	<b>7.0000e-005</b>		<b>1.3400e-003</b>	<b>1.3400e-003</b>		<b>1.3400e-003</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>5.6172</b>	<b>5.6172</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>5.6251</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.8700e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	1.0000e-005	0.5448
<b>Total</b>	<b>2.2000e-004</b>	<b>1.5000e-004</b>	<b>1.8700e-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>1.9000e-004</b>	<b>0.0000</b>	<b>0.5401</b>	<b>0.5401</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>0.5448</b>

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

**3.7 Architectural Coating - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0559					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0268	0.0398	7.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	5.6172	5.6172	3.2000e-004	0.0000	5.6251
<b>Total</b>	<b>0.0599</b>	<b>0.0268</b>	<b>0.0398</b>	<b>7.0000e-005</b>		<b>1.3400e-003</b>	<b>1.3400e-003</b>		<b>1.3400e-003</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>5.6172</b>	<b>5.6172</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>5.6251</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.8700e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5401	0.5401	2.0000e-005	1.0000e-005	0.5448
<b>Total</b>	<b>2.2000e-004</b>	<b>1.5000e-004</b>	<b>1.8700e-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>1.9000e-004</b>	<b>0.0000</b>	<b>0.5401</b>	<b>0.5401</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>0.5448</b>

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0624	0.0707	0.5860	1.2400e-003	0.1323	9.7000e-004	0.1333	0.0353	9.0000e-004	0.0362	0.0000	114.5752	114.5752	8.2000e-003	5.2200e-003	116.3353
Unmitigated	0.0624	0.0707	0.5860	1.2400e-003	0.1323	9.7000e-004	0.1333	0.0353	9.0000e-004	0.0362	0.0000	114.5752	114.5752	8.2000e-003	5.2200e-003	116.3353

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	124.44	138.38	106.76	353,788	353,788
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>124.44</b>	<b>138.38</b>	<b>106.76</b>	<b>353,788</b>	<b>353,788</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
Apartments Low Rise	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
Parking Lot	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949

**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	17.9479	17.9479	1.1000e-003	1.3000e-004	18.0150
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	17.9479	17.9479	1.1000e-003	1.3000e-004	18.0150
NaturalGas Mitigated	1.0000e-003	8.5300e-003	3.6300e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	9.8832	9.8832	1.9000e-004	1.8000e-004	9.9419
NaturalGas Unmitigated	1.0000e-003	8.5300e-003	3.6300e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	9.8832	9.8832	1.9000e-004	1.8000e-004	9.9419

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

**5.2 Energy by Land Use - NaturalGas**

**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					
Apartments Low Rise	185204	1.0000e-003	8.5300e-003	3.6300e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	9.8832	9.8832	1.9000e-004	1.8000e-004	9.9419
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.0000e-003</b>	<b>8.5300e-003</b>	<b>3.6300e-003</b>	<b>5.0000e-005</b>		<b>6.9000e-004</b>	<b>6.9000e-004</b>		<b>6.9000e-004</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>9.8832</b>	<b>9.8832</b>	<b>1.9000e-004</b>	<b>1.8000e-004</b>	<b>9.9419</b>

**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					
Apartments Low Rise	185204	1.0000e-003	8.5300e-003	3.6300e-003	5.0000e-005		6.9000e-004	6.9000e-004		6.9000e-004	6.9000e-004	0.0000	9.8832	9.8832	1.9000e-004	1.8000e-004	9.9419
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.0000e-003</b>	<b>8.5300e-003</b>	<b>3.6300e-003</b>	<b>5.0000e-005</b>		<b>6.9000e-004</b>	<b>6.9000e-004</b>		<b>6.9000e-004</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>9.8832</b>	<b>9.8832</b>	<b>1.9000e-004</b>	<b>1.8000e-004</b>	<b>9.9419</b>

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	68657.6	16.8164	1.0300e-003	1.2000e-004	16.8792
Parking Lot	4620	1.1316	7.0000e-005	1.0000e-005	1.1358
<b>Total</b>		<b>17.9479</b>	<b>1.1000e-003</b>	<b>1.3000e-004</b>	<b>18.0150</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	68657.6	16.8164	1.0300e-003	1.2000e-004	16.8792
Parking Lot	4620	1.1316	7.0000e-005	1.0000e-005	1.1358
<b>Total</b>		<b>17.9479</b>	<b>1.1000e-003</b>	<b>1.3000e-004</b>	<b>18.0150</b>

**6.0 Area Detail**

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

**6.1 Mitigation Measures Area**

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	0.0767	1.4600e-003	0.1265	1.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	0.2068	0.2068	2.0000e-004	0.0000	0.2118
Unmitigated	1.1434	0.0223	1.4432	2.3900e-003		0.1853	0.1853		0.1853	0.1853	17.5603	7.5713	25.1316	0.0164	1.3800e-003	25.9533

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

**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	5.5900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0673					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.0667	0.0208	1.3167	2.3900e-003		0.1846	0.1846		0.1846	0.1846	17.5603	7.3645	24.9248	0.0162	1.3800e-003	25.7416
Landscaping	3.8200e-003	1.4600e-003	0.1265	1.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	0.2068	0.2068	2.0000e-004	0.0000	0.2118
<b>Total</b>	<b>1.1434</b>	<b>0.0223</b>	<b>1.4432</b>	<b>2.4000e-003</b>		<b>0.1853</b>	<b>0.1853</b>		<b>0.1853</b>	<b>0.1853</b>	<b>17.5603</b>	<b>7.5713</b>	<b>25.1316</b>	<b>0.0164</b>	<b>1.3800e-003</b>	<b>25.9533</b>

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.5900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0673					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	3.8200e-003	1.4600e-003	0.1265	1.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	0.2068	0.2068	2.0000e-004	0.0000	0.2118
<b>Total</b>	<b>0.0767</b>	<b>1.4600e-003</b>	<b>0.1265</b>	<b>1.0000e-005</b>		<b>7.0000e-004</b>	<b>7.0000e-004</b>		<b>7.0000e-004</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>0.2068</b>	<b>0.2068</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.2118</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.6272	0.0291	7.1000e-004	5.5684
Unmitigated	5.7840	0.0364	8.9000e-004	6.9606

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	1.10762 / 0.698281	5.7840	0.0364	8.9000e-004	6.9606
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>5.7840</b>	<b>0.0364</b>	<b>8.9000e-004</b>	<b>6.9606</b>

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

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	0.886095 / 0.558625	4.6272	0.0291	7.1000e-004	5.5684
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.6272</b>	<b>0.0291</b>	<b>7.1000e-004</b>	<b>5.5684</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.3969	0.0235	0.0000	0.9832
Unmitigated	1.5874	0.0938	0.0000	3.9327

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	7.82	1.5874	0.0938	0.0000	3.9327
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.5874</b>	<b>0.0938</b>	<b>0.0000</b>	<b>3.9327</b>

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

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	1.955	0.3969	0.0235	0.0000	0.9832
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.3969</b>	<b>0.0235</b>	<b>0.0000</b>	<b>0.9832</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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**11.0 Vegetation**

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

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