

Fullerton POINTE COMMON - Orange County, Winter

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

**Fullerton POINTE COMMON**

**Orange County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	41.22	1000sqft	0.95	41,220.00	0
Parking Lot	108.00	Space	0.97	43,200.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.58	51,874.00	186

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	30
<b>Climate Zone</b>	8			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<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 - per site plan
- Construction Phase - per AQ construction questionnaire
- Grading - per grading plan
- Architectural Coating - SCAQMD Rule 1113
- Vehicle Trips - per trip generation info recived Nov 1.
- Area Coating - SCAQMD Rule 1113
- Construction Off-road Equipment Mitigation - Rule 403
- Area Mitigation - rule 1113
- Energy Mitigation - Per Operational questionnaire

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Water Mitigation - per operational questionnaire

Waste Mitigation - Per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	220.00	436.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	10.00	23.00
tblGrading	MaterialExported	0.00	200.00
tblLandUse	LandUseSquareFeet	65,000.00	51,874.00
tblLandUse	LotAcreage	1.71	0.58
tblVehicleTrips	ST_TR	4.91	8.51
tblVehicleTrips	SU_TR	4.09	8.51
tblVehicleTrips	WD_TR	5.44	8.51

**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**

**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	4.8650	43.5277	39.7248	0.0836	8.4114	1.9053	10.3166	3.7802	1.7868	5.5670	0.0000	8,050.700 4	8,050.700 4	1.7221	0.0943	8,121.857 3
2024	3.1880	27.7114	25.5984	0.0580	8.2661	1.1202	9.3862	3.7417	1.0510	4.7927	0.0000	5,574.509 5	5,574.509 5	1.1221	0.0893	5,629.177 9
2025	17.2372	20.3793	28.4065	0.0547	1.2297	0.8292	2.0477	0.3292	0.7816	1.1078	0.0000	5,224.790 6	5,224.790 6	1.0043	0.0770	5,272.779 3
<b>Maximum</b>	<b>17.2372</b>	<b>43.5277</b>	<b>39.7248</b>	<b>0.0836</b>	<b>8.4114</b>	<b>1.9053</b>	<b>10.3166</b>	<b>3.7802</b>	<b>1.7868</b>	<b>5.5670</b>	<b>0.0000</b>	<b>8,050.700 4</b>	<b>8,050.700 4</b>	<b>1.7221</b>	<b>0.0943</b>	<b>8,121.857 3</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	4.8650	43.5277	39.7248	0.0836	3.9522	1.9053	5.8575	1.6243	1.7868	3.4110	0.0000	8,050.700 4	8,050.700 4	1.7221	0.0943	8,121.857 3
2024	3.1880	27.7114	25.5984	0.0580	3.8069	1.1202	4.9271	1.5857	1.0510	2.6367	0.0000	5,574.509 5	5,574.509 5	1.1221	0.0893	5,629.177 9
2025	17.2372	20.3793	28.4065	0.0547	1.2297	0.8292	2.0477	0.3292	0.7816	1.1078	0.0000	5,224.790 6	5,224.790 6	1.0043	0.0770	5,272.779 3
<b>Maximum</b>	<b>17.2372</b>	<b>43.5277</b>	<b>39.7248</b>	<b>0.0836</b>	<b>3.9522</b>	<b>1.9053</b>	<b>5.8575</b>	<b>1.6243</b>	<b>1.7868</b>	<b>3.4110</b>	<b>0.0000</b>	<b>8,050.700 4</b>	<b>8,050.700 4</b>	<b>1.7221</b>	<b>0.0943</b>	<b>8,121.857 3</b>

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	49.80	0.00	41.00	54.92	0.00	37.60	0.00	0.00	0.00	0.00	0.00	0.00

Fullerton POINTE COMMON - Orange County, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.3438	1.4105	38.4286	0.0846		4.9950	4.9950		4.9950	4.9950	608.8497	1,179.6886	1,788.5383	1.8250	0.0413	1,846.4789
Energy	0.0214	0.1830	0.0779	1.1700e-003		0.0148	0.0148		0.0148	0.0148		233.5940	233.5940	4.4800e-003	4.2800e-003	234.9821
Mobile	1.4443	1.5533	14.4565	0.0339	3.9829	0.0234	4.0063	1.0616	0.0218	1.0834		3,451.9237	3,451.9237	0.2133	0.1454	3,500.5943
<b>Total</b>	<b>19.8095</b>	<b>3.1468</b>	<b>52.9629</b>	<b>0.1197</b>	<b>3.9829</b>	<b>5.0332</b>	<b>9.0162</b>	<b>1.0616</b>	<b>5.0316</b>	<b>6.0932</b>	<b>608.8497</b>	<b>4,865.2062</b>	<b>5,474.0559</b>	<b>2.0428</b>	<b>0.1910</b>	<b>5,582.0553</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	18.3438	1.4105	38.4286	0.0846		4.9950	4.9950		4.9950	4.9950	608.8497	1,179.6886	1,788.5383	1.8250	0.0413	1,846.4789
Energy	0.0214	0.1830	0.0779	1.1700e-003		0.0148	0.0148		0.0148	0.0148		233.5940	233.5940	4.4800e-003	4.2800e-003	234.9821
Mobile	1.4443	1.5533	14.4565	0.0339	3.9829	0.0234	4.0063	1.0616	0.0218	1.0834		3,451.9237	3,451.9237	0.2133	0.1454	3,500.5943
<b>Total</b>	<b>19.8095</b>	<b>3.1468</b>	<b>52.9629</b>	<b>0.1197</b>	<b>3.9829</b>	<b>5.0332</b>	<b>9.0162</b>	<b>1.0616</b>	<b>5.0316</b>	<b>6.0932</b>	<b>608.8497</b>	<b>4,865.2062</b>	<b>5,474.0559</b>	<b>2.0428</b>	<b>0.1910</b>	<b>5,582.0553</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

**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	12/1/2023	12/7/2023	5	5	
2	Grading	Grading	12/1/2023	1/1/2024	5	22	
3	Building Construction	Building Construction	12/1/2023	8/1/2025	5	436	
4	Paving	Paving	7/1/2025	7/31/2025	5	23	
5	Architectural Coating	Architectural Coating	8/1/2025	9/1/2025	5	22	

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

**Acres of Grading (Grading Phase): 22**

**Acres of Paving: 1.92**

**Residential Indoor: 105,045; Residential Outdoor: 35,015; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 5,065 (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
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

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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
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

**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	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	25.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	82.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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

**3.2 Demolition - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
<b>Total</b>	<b>1.4725</b>	<b>14.3184</b>	<b>13.4577</b>	<b>0.0241</b>		<b>0.6766</b>	<b>0.6766</b>		<b>0.6328</b>	<b>0.6328</b>		<b>2,324.3959</b>	<b>2,324.3959</b>	<b>0.5893</b>		<b>2,339.1278</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	0.0400	0.0257	0.3698	1.1700e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		118.0117	118.0117	2.7900e-003	2.8500e-003	118.9303
<b>Total</b>	<b>0.0400</b>	<b>0.0257</b>	<b>0.3698</b>	<b>1.1700e-003</b>	<b>0.1453</b>	<b>7.4000e-004</b>	<b>0.1461</b>	<b>0.0385</b>	<b>6.8000e-004</b>	<b>0.0392</b>		<b>118.0117</b>	<b>118.0117</b>	<b>2.7900e-003</b>	<b>2.8500e-003</b>	<b>118.9303</b>



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**3.2 Demolition - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
<b>Total</b>	<b>1.4725</b>	<b>14.3184</b>	<b>13.4577</b>	<b>0.0241</b>		<b>0.6766</b>	<b>0.6766</b>		<b>0.6328</b>	<b>0.6328</b>	<b>0.0000</b>	<b>2,324.3959</b>	<b>2,324.3959</b>	<b>0.5893</b>		<b>2,339.1278</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	0.0400	0.0257	0.3698	1.1700e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		118.0117	118.0117	2.7900e-003	2.8500e-003	118.9303
<b>Total</b>	<b>0.0400</b>	<b>0.0257</b>	<b>0.3698</b>	<b>1.1700e-003</b>	<b>0.1453</b>	<b>7.4000e-004</b>	<b>0.1461</b>	<b>0.0385</b>	<b>6.8000e-004</b>	<b>0.0392</b>		<b>118.0117</b>	<b>118.0117</b>	<b>2.7900e-003</b>	<b>2.8500e-003</b>	<b>118.9303</b>

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

**3.3 Grading - 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					7.0836	0.0000	7.0836	3.4249	0.0000	3.4249			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560		1,995.6147	1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>7.0836</b>	<b>0.6044</b>	<b>7.6880</b>	<b>3.4249</b>	<b>0.5560</b>	<b>3.9809</b>		<b>1,995.6147</b>	<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</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	2.2300e-003	0.1412	0.0469	6.4000e-004	0.0198	8.7000e-004	0.0207	5.4300e-003	8.4000e-004	6.2600e-003		72.7419	72.7419	7.3200e-003	0.0117	76.4023
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	0.0308	0.0198	0.2845	9.0000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.2000e-004	0.0302		90.7782	90.7782	2.1500e-003	2.1900e-003	91.4848
<b>Total</b>	<b>0.0330</b>	<b>0.1610</b>	<b>0.3314</b>	<b>1.5400e-003</b>	<b>0.1316</b>	<b>1.4400e-003</b>	<b>0.1330</b>	<b>0.0351</b>	<b>1.3600e-003</b>	<b>0.0364</b>		<b>163.5201</b>	<b>163.5201</b>	<b>9.4700e-003</b>	<b>0.0139</b>	<b>167.8872</b>

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**3.3 Grading - 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					2.6245	0.0000	2.6245	1.2689	0.0000	1.2689			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560	0.0000	1,995.6147	1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>2.6245</b>	<b>0.6044</b>	<b>3.2288</b>	<b>1.2689</b>	<b>0.5560</b>	<b>1.8249</b>	<b>0.0000</b>	<b>1,995.6147</b>	<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</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	2.2300e-003	0.1412	0.0469	6.4000e-004	0.0198	8.7000e-004	0.0207	5.4300e-003	8.4000e-004	6.2600e-003		72.7419	72.7419	7.3200e-003	0.0117	76.4023
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	0.0308	0.0198	0.2845	9.0000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.2000e-004	0.0302		90.7782	90.7782	2.1500e-003	2.1900e-003	91.4848
<b>Total</b>	<b>0.0330</b>	<b>0.1610</b>	<b>0.3314</b>	<b>1.5400e-003</b>	<b>0.1316</b>	<b>1.4400e-003</b>	<b>0.1330</b>	<b>0.0351</b>	<b>1.3600e-003</b>	<b>0.0364</b>		<b>163.5201</b>	<b>163.5201</b>	<b>9.4700e-003</b>	<b>0.0139</b>	<b>167.8872</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**3.3 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	lb/day										lb/day					
Fugitive Dust					7.0836	0.0000	7.0836	3.4249	0.0000	3.4249			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
<b>Total</b>	<b>1.3015</b>	<b>13.8178</b>	<b>8.6998</b>	<b>0.0206</b>	<b>7.0836</b>	<b>0.5722</b>	<b>7.6559</b>	<b>3.4249</b>	<b>0.5265</b>	<b>3.9514</b>		<b>1,995.5803</b>	<b>1,995.5803</b>	<b>0.6454</b>		<b>2,011.7155</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	2.2000e-003	0.1402	0.0480	6.3000e-004	0.0198	9.1000e-004	0.0207	5.4300e-003	8.7000e-004	6.3000e-003		71.7462	71.7462	7.4200e-003	0.0115	75.3636
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	0.0290	0.0178	0.2650	8.7000e-004	0.1118	5.4000e-004	0.1123	0.0296	5.0000e-004	0.0301		87.9024	87.9024	1.9500e-003	2.0500e-003	88.5617
<b>Total</b>	<b>0.0312</b>	<b>0.1579</b>	<b>0.3130</b>	<b>1.5000e-003</b>	<b>0.1316</b>	<b>1.4500e-003</b>	<b>0.1331</b>	<b>0.0351</b>	<b>1.3700e-003</b>	<b>0.0364</b>		<b>159.6487</b>	<b>159.6487</b>	<b>9.3700e-003</b>	<b>0.0136</b>	<b>163.9253</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**3.3 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	lb/day										lb/day					
Fugitive Dust					2.6245	0.0000	2.6245	1.2689	0.0000	1.2689			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265	0.0000	1,995.580 3	1,995.580 3	0.6454		2,011.715 5
<b>Total</b>	<b>1.3015</b>	<b>13.8178</b>	<b>8.6998</b>	<b>0.0206</b>	<b>2.6245</b>	<b>0.5722</b>	<b>3.1967</b>	<b>1.2689</b>	<b>0.5265</b>	<b>1.7954</b>	<b>0.0000</b>	<b>1,995.580 3</b>	<b>1,995.580 3</b>	<b>0.6454</b>		<b>2,011.715 5</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	2.2000e-003	0.1402	0.0480	6.3000e-004	0.0198	9.1000e-004	0.0207	5.4300e-003	8.7000e-004	6.3000e-003		71.7462	71.7462	7.4200e-003	0.0115	75.3636
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	0.0290	0.0178	0.2650	8.7000e-004	0.1118	5.4000e-004	0.1123	0.0296	5.0000e-004	0.0301		87.9024	87.9024	1.9500e-003	2.0500e-003	88.5617
<b>Total</b>	<b>0.0312</b>	<b>0.1579</b>	<b>0.3130</b>	<b>1.5000e-003</b>	<b>0.1316</b>	<b>1.4500e-003</b>	<b>0.1331</b>	<b>0.0351</b>	<b>1.3700e-003</b>	<b>0.0364</b>		<b>159.6487</b>	<b>159.6487</b>	<b>9.3700e-003</b>	<b>0.0136</b>	<b>163.9253</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
<b>Total</b>	<b>1.7136</b>	<b>13.6239</b>	<b>14.2145</b>	<b>0.0250</b>		<b>0.6136</b>	<b>0.6136</b>		<b>0.5880</b>	<b>0.5880</b>		<b>2,289.5233</b>	<b>2,289.5233</b>	<b>0.4330</b>		<b>2,300.3479</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	0.0205	0.7688	0.3149	3.7800e-003	0.1343	3.8000e-003	0.1381	0.0387	3.6300e-003	0.0423		415.2536	415.2536	0.0246	0.0596	433.6384
Worker	0.2524	0.1622	2.3327	7.3600e-003	0.9166	4.6700e-003	0.9212	0.2431	4.3000e-003	0.2474		744.3812	744.3812	0.0176	0.0180	750.1756
<b>Total</b>	<b>0.2728</b>	<b>0.9310</b>	<b>2.6476</b>	<b>0.0111</b>	<b>1.0509</b>	<b>8.4700e-003</b>	<b>1.0593</b>	<b>0.2817</b>	<b>7.9300e-003</b>	<b>0.2897</b>		<b>1,159.6347</b>	<b>1,159.6347</b>	<b>0.0422</b>	<b>0.0776</b>	<b>1,183.8139</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**3.4 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
<b>Total</b>	<b>1.7136</b>	<b>13.6239</b>	<b>14.2145</b>	<b>0.0250</b>		<b>0.6136</b>	<b>0.6136</b>		<b>0.5880</b>	<b>0.5880</b>	<b>0.0000</b>	<b>2,289.5233</b>	<b>2,289.5233</b>	<b>0.4330</b>		<b>2,300.3479</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	0.0205	0.7688	0.3149	3.7800e-003	0.1343	3.8000e-003	0.1381	0.0387	3.6300e-003	0.0423		415.2536	415.2536	0.0246	0.0596	433.6384
Worker	0.2524	0.1622	2.3327	7.3600e-003	0.9166	4.6700e-003	0.9212	0.2431	4.3000e-003	0.2474		744.3812	744.3812	0.0176	0.0180	750.1756
<b>Total</b>	<b>0.2728</b>	<b>0.9310</b>	<b>2.6476</b>	<b>0.0111</b>	<b>1.0509</b>	<b>8.4700e-003</b>	<b>1.0593</b>	<b>0.2817</b>	<b>7.9300e-003</b>	<b>0.2897</b>		<b>1,159.6347</b>	<b>1,159.6347</b>	<b>0.0422</b>	<b>0.0776</b>	<b>1,183.8139</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.654 1	2,289.654 1	0.4265		2,300.315 4
<b>Total</b>	<b>1.5971</b>	<b>12.8235</b>	<b>14.1002</b>	<b>0.0250</b>		<b>0.5381</b>	<b>0.5381</b>		<b>0.5153</b>	<b>0.5153</b>		<b>2,289.654 1</b>	<b>2,289.654 1</b>	<b>0.4265</b>		<b>2,300.315 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0202	0.7666	0.3124	3.7200e-003	0.1343	3.9700e-003	0.1383	0.0387	3.8000e-003	0.0425		408.8266	408.8266	0.0249	0.0590	427.0160
Worker	0.2379	0.1456	2.1730	7.1300e-003	0.9166	4.4400e-003	0.9210	0.2431	4.0800e-003	0.2472		720.7999	720.7999	0.0160	0.0168	726.2057
<b>Total</b>	<b>0.2581</b>	<b>0.9122</b>	<b>2.4855</b>	<b>0.0109</b>	<b>1.0509</b>	<b>8.4100e-003</b>	<b>1.0593</b>	<b>0.2817</b>	<b>7.8800e-003</b>	<b>0.2896</b>		<b>1,129.626 5</b>	<b>1,129.626 5</b>	<b>0.0408</b>	<b>0.0758</b>	<b>1,153.221 7</b>



Fullerton POINTE COMMON - Orange County, Winter

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

**3.4 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.654 1	2,289.654 1	0.4265		2,300.315 4
<b>Total</b>	<b>1.5971</b>	<b>12.8235</b>	<b>14.1002</b>	<b>0.0250</b>		<b>0.5381</b>	<b>0.5381</b>		<b>0.5153</b>	<b>0.5153</b>	<b>0.0000</b>	<b>2,289.654 1</b>	<b>2,289.654 1</b>	<b>0.4265</b>		<b>2,300.315 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0202	0.7666	0.3124	3.7200e-003	0.1343	3.9700e-003	0.1383	0.0387	3.8000e-003	0.0425		408.8266	408.8266	0.0249	0.0590	427.0160
Worker	0.2379	0.1456	2.1730	7.1300e-003	0.9166	4.4400e-003	0.9210	0.2431	4.0800e-003	0.2472		720.7999	720.7999	0.0160	0.0168	726.2057
<b>Total</b>	<b>0.2581</b>	<b>0.9122</b>	<b>2.4855</b>	<b>0.0109</b>	<b>1.0509</b>	<b>8.4100e-003</b>	<b>1.0593</b>	<b>0.2817</b>	<b>7.8800e-003</b>	<b>0.2896</b>		<b>1,129.626 5</b>	<b>1,129.626 5</b>	<b>0.0408</b>	<b>0.0758</b>	<b>1,153.221 7</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**3.4 Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887
<b>Total</b>	<b>1.4897</b>	<b>12.0233</b>	<b>14.0072</b>	<b>0.0250</b>		<b>0.4700</b>	<b>0.4700</b>		<b>0.4498</b>	<b>0.4498</b>		<b>2,289.8898</b>	<b>2,289.8898</b>	<b>0.4200</b>		<b>2,300.3887</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	0.0198	0.7629	0.3110	3.6400e-003	0.1343	4.0000e-003	0.1383	0.0386	3.8200e-003	0.0425		401.1860	401.1860	0.0252	0.0581	419.1272
Worker	0.2253	0.1319	2.0412	6.8900e-003	0.9166	4.2400e-003	0.9208	0.2431	3.9000e-003	0.2470		696.3306	696.3306	0.0145	0.0158	701.4025
<b>Total</b>	<b>0.2451</b>	<b>0.8948</b>	<b>2.3522</b>	<b>0.0105</b>	<b>1.0508</b>	<b>8.2400e-003</b>	<b>1.0591</b>	<b>0.2817</b>	<b>7.7200e-003</b>	<b>0.2895</b>		<b>1,097.5166</b>	<b>1,097.5166</b>	<b>0.0397</b>	<b>0.0739</b>	<b>1,120.5297</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**3.4 Building Construction - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887
<b>Total</b>	<b>1.4897</b>	<b>12.0233</b>	<b>14.0072</b>	<b>0.0250</b>		<b>0.4700</b>	<b>0.4700</b>		<b>0.4498</b>	<b>0.4498</b>	<b>0.0000</b>	<b>2,289.8898</b>	<b>2,289.8898</b>	<b>0.4200</b>		<b>2,300.3887</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0198	0.7629	0.3110	3.6400e-003	0.1343	4.0000e-003	0.1383	0.0386	3.8200e-003	0.0425		401.1860	401.1860	0.0252	0.0581	419.1272
Worker	0.2253	0.1319	2.0412	6.8900e-003	0.9166	4.2400e-003	0.9208	0.2431	3.9000e-003	0.2470		696.3306	696.3306	0.0145	0.0158	701.4025
<b>Total</b>	<b>0.2451</b>	<b>0.8948</b>	<b>2.3522</b>	<b>0.0105</b>	<b>1.0508</b>	<b>8.2400e-003</b>	<b>1.0591</b>	<b>0.2817</b>	<b>7.7200e-003</b>	<b>0.2895</b>		<b>1,097.5166</b>	<b>1,097.5166</b>	<b>0.0397</b>	<b>0.0739</b>	<b>1,120.5297</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**3.5 Paving - 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	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234		1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.1105					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8959</b>	<b>7.4371</b>	<b>11.6737</b>	<b>0.0179</b>		<b>0.3503</b>	<b>0.3503</b>		<b>0.3234</b>	<b>0.3234</b>		<b>1,710.0067</b>	<b>1,710.0067</b>	<b>0.5420</b>		<b>1,723.5556</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	0.0412	0.0241	0.3734	1.2600e-003	0.1677	7.8000e-004	0.1684	0.0445	7.1000e-004	0.0452		127.3776	127.3776	2.6600e-003	2.8900e-003	128.3053
<b>Total</b>	<b>0.0412</b>	<b>0.0241</b>	<b>0.3734</b>	<b>1.2600e-003</b>	<b>0.1677</b>	<b>7.8000e-004</b>	<b>0.1684</b>	<b>0.0445</b>	<b>7.1000e-004</b>	<b>0.0452</b>		<b>127.3776</b>	<b>127.3776</b>	<b>2.6600e-003</b>	<b>2.8900e-003</b>	<b>128.3053</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**3.5 Paving - 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	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234	0.0000	1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.1105					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8959</b>	<b>7.4371</b>	<b>11.6737</b>	<b>0.0179</b>		<b>0.3503</b>	<b>0.3503</b>		<b>0.3234</b>	<b>0.3234</b>	<b>0.0000</b>	<b>1,710.0067</b>	<b>1,710.0067</b>	<b>0.5420</b>		<b>1,723.5556</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	0.0412	0.0241	0.3734	1.2600e-003	0.1677	7.8000e-004	0.1684	0.0445	7.1000e-004	0.0452		127.3776	127.3776	2.6600e-003	2.8900e-003	128.3053
<b>Total</b>	<b>0.0412</b>	<b>0.0241</b>	<b>0.3734</b>	<b>1.2600e-003</b>	<b>0.1677</b>	<b>7.8000e-004</b>	<b>0.1684</b>	<b>0.0445</b>	<b>7.1000e-004</b>	<b>0.0452</b>		<b>127.3776</b>	<b>127.3776</b>	<b>2.6600e-003</b>	<b>2.8900e-003</b>	<b>128.3053</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**3.6 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.2876					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>15.4585</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	0.0440	0.0257	0.3983	1.3400e-003	0.1788	8.3000e-004	0.1797	0.0474	7.6000e-004	0.0482		135.8694	135.8694	2.8400e-003	3.0800e-003	136.8590
<b>Total</b>	<b>0.0440</b>	<b>0.0257</b>	<b>0.3983</b>	<b>1.3400e-003</b>	<b>0.1788</b>	<b>8.3000e-004</b>	<b>0.1797</b>	<b>0.0474</b>	<b>7.6000e-004</b>	<b>0.0482</b>		<b>135.8694</b>	<b>135.8694</b>	<b>2.8400e-003</b>	<b>3.0800e-003</b>	<b>136.8590</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**3.6 Architectural Coating - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.2876					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>15.4585</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	0.0440	0.0257	0.3983	1.3400e-003	0.1788	8.3000e-004	0.1797	0.0474	7.6000e-004	0.0482		135.8694	135.8694	2.8400e-003	3.0800e-003	136.8590
<b>Total</b>	<b>0.0440</b>	<b>0.0257</b>	<b>0.3983</b>	<b>1.3400e-003</b>	<b>0.1788</b>	<b>8.3000e-004</b>	<b>0.1797</b>	<b>0.0474</b>	<b>7.6000e-004</b>	<b>0.0482</b>		<b>135.8694</b>	<b>135.8694</b>	<b>2.8400e-003</b>	<b>3.0800e-003</b>	<b>136.8590</b>

Fullerton POINTE COMMON - Orange County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4443	1.5533	14.4565	0.0339	3.9829	0.0234	4.0063	1.0616	0.0218	1.0834		3,451.923 7	3,451.923 7	0.2133	0.1454	3,500.594 3
Unmitigated	1.4443	1.5533	14.4565	0.0339	3.9829	0.0234	4.0063	1.0616	0.0218	1.0834		3,451.923 7	3,451.923 7	0.2133	0.1454	3,500.594 3

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	553.15	553.15	553.15	1,890,198	1,890,198
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	553.15	553.15	553.15	1,890,198	1,890,198

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 Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0



Fullerton POINTE COMMON - Orange County, Winter

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Other Non-Asphalt Surfaces	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Parking Lot	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0214	0.1830	0.0779	1.1700e-003		0.0148	0.0148		0.0148	0.0148		233.5940	233.5940	4.4800e-003	4.2800e-003	234.9821
NaturalGas Unmitigated	0.0214	0.1830	0.0779	1.1700e-003		0.0148	0.0148		0.0148	0.0148		233.5940	233.5940	4.4800e-003	4.2800e-003	234.9821

Fullerton POINTE COMMON - Orange County, Winter

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

**5.2 Energy by Land Use - NaturalGas**

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					
Apartments Mid Rise	1985.55	0.0214	0.1830	0.0779	1.1700e-003		0.0148	0.0148		0.0148	0.0148		233.5940	233.5940	4.4800e-003	4.2800e-003	234.9821
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0214</b>	<b>0.1830</b>	<b>0.0779</b>	<b>1.1700e-003</b>		<b>0.0148</b>	<b>0.0148</b>		<b>0.0148</b>	<b>0.0148</b>		<b>233.5940</b>	<b>233.5940</b>	<b>4.4800e-003</b>	<b>4.2800e-003</b>	<b>234.9821</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas 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					
Apartments Mid Rise	1.98555	0.0214	0.1830	0.0779	1.1700e-003		0.0148	0.0148		0.0148	0.0148		233.5940	233.5940	4.4800e-003	4.2800e-003	234.9821
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0214</b>	<b>0.1830</b>	<b>0.0779</b>	<b>1.1700e-003</b>		<b>0.0148</b>	<b>0.0148</b>		<b>0.0148</b>	<b>0.0148</b>		<b>233.5940</b>	<b>233.5940</b>	<b>4.4800e-003</b>	<b>4.2800e-003</b>	<b>234.9821</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Fullerton POINTE COMMON - Orange County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.3438	1.4105	38.4286	0.0846		4.9950	4.9950		4.9950	4.9950	608.8497	1,179.6886	1,788.5383	1.8250	0.0413	1,846.4789
Unmitigated	18.3438	1.4105	38.4286	0.0846		4.9950	4.9950		4.9950	4.9950	608.8497	1,179.6886	1,788.5383	1.8250	0.0413	1,846.4789

**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	0.0921					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	17.0323	1.3486	33.0559	0.0843		4.9652	4.9652		4.9652	4.9652	608.8497	1,170.0000	1,778.8497	1.8157	0.0413	1,836.5571
Landscaping	0.1623	0.0619	5.3727	2.8000e-004		0.0298	0.0298		0.0298	0.0298		9.6886	9.6886	9.3300e-003		9.9219
<b>Total</b>	<b>18.3438</b>	<b>1.4105</b>	<b>38.4286</b>	<b>0.0846</b>		<b>4.9950</b>	<b>4.9950</b>		<b>4.9950</b>	<b>4.9950</b>	<b>608.8497</b>	<b>1,179.6886</b>	<b>1,788.5383</b>	<b>1.8250</b>	<b>0.0413</b>	<b>1,846.4789</b>

Fullerton POINTE COMMON - Orange County, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0921					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	17.0323	1.3486	33.0559	0.0843		4.9652	4.9652		4.9652	4.9652	608.8497	1,170.0000	1,778.8497	1.8157	0.0413	1,836.5571
Landscaping	0.1623	0.0619	5.3727	2.8000e-004		0.0298	0.0298		0.0298	0.0298		9.6886	9.6886	9.3300e-003		9.9219
<b>Total</b>	<b>18.3438</b>	<b>1.4105</b>	<b>38.4286</b>	<b>0.0846</b>		<b>4.9950</b>	<b>4.9950</b>		<b>4.9950</b>	<b>4.9950</b>	<b>608.8497</b>	<b>1,179.6886</b>	<b>1,788.5383</b>	<b>1.8250</b>	<b>0.0413</b>	<b>1,846.4789</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Fullerton POINTE COMMON - Orange County, Winter

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**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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Fullerton POINTE COMMON - Orange County, Summer

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

**Fullerton POINTE COMMON  
Orange County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	41.22	1000sqft	0.95	41,220.00	0
Parking Lot	108.00	Space	0.97	43,200.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.58	51,874.00	186

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	30
<b>Climate Zone</b>	8			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<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 - per site plan
- Construction Phase - per AQ construction questionnaire
- Grading - per grading plan
- Architectural Coating - SCAQMD Rule 1113
- Vehicle Trips - per trip generation info recived Nov 1.
- Area Coating - SCAQMD Rule 1113
- Construction Off-road Equipment Mitigation - Rule 403
- Area Mitigation - rule 1113
- Energy Mitigation - Per Operational questionnaire

Fullerton POINTE COMMON - Orange County, Summer

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

Water Mitigation - per operational questionnaire

Waste Mitigation - Per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	220.00	436.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	10.00	23.00
tblGrading	MaterialExported	0.00	200.00
tblLandUse	LandUseSquareFeet	65,000.00	51,874.00
tblLandUse	LotAcreage	1.71	0.58
tblVehicleTrips	ST_TR	4.91	8.51
tblVehicleTrips	SU_TR	4.09	8.51
tblVehicleTrips	WD_TR	5.44	8.51

**2.0 Emissions Summary**

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Fullerton POINTE COMMON - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	4.8384	43.4705	39.9340	0.0841	8.4114	1.9052	10.3166	3.7802	1.7868	5.5670	0.0000	8,097.883 6	8,097.883 6	1.7217	0.0928	8,168.573 7
2024	3.1653	27.6584	25.7646	0.0584	8.2661	1.1201	9.3862	3.7417	1.0510	4.7926	0.0000	5,614.364 1	5,614.364 1	1.1217	0.0881	5,668.644 4
2025	17.2135	20.3327	28.5700	0.0551	1.2297	0.8292	2.0477	0.3292	0.7816	1.1078	0.0000	5,265.370 7	5,265.370 7	1.0039	0.0757	5,312.979 1
<b>Maximum</b>	<b>17.2135</b>	<b>43.4705</b>	<b>39.9340</b>	<b>0.0841</b>	<b>8.4114</b>	<b>1.9052</b>	<b>10.3166</b>	<b>3.7802</b>	<b>1.7868</b>	<b>5.5670</b>	<b>0.0000</b>	<b>8,097.883 6</b>	<b>8,097.883 6</b>	<b>1.7217</b>	<b>0.0928</b>	<b>8,168.573 7</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	4.8384	43.4705	39.9340	0.0841	3.9522	1.9052	5.8575	1.6243	1.7868	3.4110	0.0000	8,097.883 6	8,097.883 6	1.7217	0.0928	8,168.573 7
2024	3.1653	27.6584	25.7646	0.0584	3.8069	1.1201	4.9271	1.5857	1.0510	2.6367	0.0000	5,614.364 1	5,614.364 1	1.1217	0.0881	5,668.644 4
2025	17.2135	20.3327	28.5700	0.0551	1.2297	0.8292	2.0477	0.3292	0.7816	1.1078	0.0000	5,265.370 7	5,265.370 7	1.0039	0.0757	5,312.979 1
<b>Maximum</b>	<b>17.2135</b>	<b>43.4705</b>	<b>39.9340</b>	<b>0.0841</b>	<b>3.9522</b>	<b>1.9052</b>	<b>5.8575</b>	<b>1.6243</b>	<b>1.7868</b>	<b>3.4110</b>	<b>0.0000</b>	<b>8,097.883 6</b>	<b>8,097.883 6</b>	<b>1.7217</b>	<b>0.0928</b>	<b>8,168.573 7</b>



Fullerton POINTE COMMON - Orange County, Summer

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	18.3438	1.4105	38.4286	0.0846		4.9950	4.9950		4.9950	4.9950	608.8497	1,179.6886	1,788.5383	1.8250	0.0413	1,846.4789
Energy	0.0214	0.1830	0.0779	1.1700e-003		0.0148	0.0148		0.0148	0.0148		233.5940	233.5940	4.4800e-003	4.2800e-003	234.9821
Mobile	1.4545	1.4468	14.6118	0.0352	3.9829	0.0234	4.0063	1.0616	0.0218	1.0834		3,587.6991	3,587.6991	0.2070	0.1397	3,634.5160
<b>Total</b>	<b>19.8196</b>	<b>3.0403</b>	<b>53.1183</b>	<b>0.1210</b>	<b>3.9829</b>	<b>5.0332</b>	<b>9.0161</b>	<b>1.0616</b>	<b>5.0316</b>	<b>6.0932</b>	<b>608.8497</b>	<b>5,000.9816</b>	<b>5,609.8313</b>	<b>2.0365</b>	<b>0.1853</b>	<b>5,715.9770</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	18.3438	1.4105	38.4286	0.0846		4.9950	4.9950		4.9950	4.9950	608.8497	1,179.6886	1,788.5383	1.8250	0.0413	1,846.4789
Energy	0.0214	0.1830	0.0779	1.1700e-003		0.0148	0.0148		0.0148	0.0148		233.5940	233.5940	4.4800e-003	4.2800e-003	234.9821
Mobile	1.4545	1.4468	14.6118	0.0352	3.9829	0.0234	4.0063	1.0616	0.0218	1.0834		3,587.6991	3,587.6991	0.2070	0.1397	3,634.5160
<b>Total</b>	<b>19.8196</b>	<b>3.0403</b>	<b>53.1183</b>	<b>0.1210</b>	<b>3.9829</b>	<b>5.0332</b>	<b>9.0161</b>	<b>1.0616</b>	<b>5.0316</b>	<b>6.0932</b>	<b>608.8497</b>	<b>5,000.9816</b>	<b>5,609.8313</b>	<b>2.0365</b>	<b>0.1853</b>	<b>5,715.9770</b>

Fullerton POINTE COMMON - Orange County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Demolition	12/1/2023	12/7/2023	5	5	
2	Grading	Grading	12/1/2023	1/1/2024	5	22	
3	Building Construction	Building Construction	12/1/2023	8/1/2025	5	436	
4	Paving	Paving	7/1/2025	7/31/2025	5	23	
5	Architectural Coating	Architectural Coating	8/1/2025	9/1/2025	5	22	

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

**Acres of Grading (Grading Phase): 22**

**Acres of Paving: 1.92**

**Residential Indoor: 105,045; Residential Outdoor: 35,015; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 5,065 (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
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

Fullerton POINTE COMMON - Orange County, Summer

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

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
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

**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	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	25.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	82.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Fullerton POINTE COMMON - Orange County, Summer

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

**3.2 Demolition - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
<b>Total</b>	<b>1.4725</b>	<b>14.3184</b>	<b>13.4577</b>	<b>0.0241</b>		<b>0.6766</b>	<b>0.6766</b>		<b>0.6328</b>	<b>0.6328</b>		<b>2,324.3959</b>	<b>2,324.3959</b>	<b>0.5893</b>		<b>2,339.1278</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	0.0366	0.0234	0.3970	1.2300e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		123.9370	123.9370	2.7200e-003	2.6800e-003	124.8030
<b>Total</b>	<b>0.0366</b>	<b>0.0234</b>	<b>0.3970</b>	<b>1.2300e-003</b>	<b>0.1453</b>	<b>7.4000e-004</b>	<b>0.1461</b>	<b>0.0385</b>	<b>6.8000e-004</b>	<b>0.0392</b>		<b>123.9370</b>	<b>123.9370</b>	<b>2.7200e-003</b>	<b>2.6800e-003</b>	<b>124.8030</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.2 Demolition - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
<b>Total</b>	<b>1.4725</b>	<b>14.3184</b>	<b>13.4577</b>	<b>0.0241</b>		<b>0.6766</b>	<b>0.6766</b>		<b>0.6328</b>	<b>0.6328</b>	<b>0.0000</b>	<b>2,324.3959</b>	<b>2,324.3959</b>	<b>0.5893</b>		<b>2,339.1278</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	0.0366	0.0234	0.3970	1.2300e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		123.9370	123.9370	2.7200e-003	2.6800e-003	124.8030
<b>Total</b>	<b>0.0366</b>	<b>0.0234</b>	<b>0.3970</b>	<b>1.2300e-003</b>	<b>0.1453</b>	<b>7.4000e-004</b>	<b>0.1461</b>	<b>0.0385</b>	<b>6.8000e-004</b>	<b>0.0392</b>		<b>123.9370</b>	<b>123.9370</b>	<b>2.7200e-003</b>	<b>2.6800e-003</b>	<b>124.8030</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.3 Grading - 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					7.0836	0.0000	7.0836	3.4249	0.0000	3.4249			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560		1,995.6147	1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>7.0836</b>	<b>0.6044</b>	<b>7.6880</b>	<b>3.4249</b>	<b>0.5560</b>	<b>3.9809</b>		<b>1,995.6147</b>	<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</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	2.3700e-003	0.1354	0.0464	6.4000e-004	0.0198	8.7000e-004	0.0207	5.4300e-003	8.3000e-004	6.2600e-003		72.6762	72.6762	7.3300e-003	0.0117	76.3337
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	0.0282	0.0180	0.3054	9.4000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.2000e-004	0.0302		95.3362	95.3362	2.1000e-003	2.0600e-003	96.0023
<b>Total</b>	<b>0.0305</b>	<b>0.1534</b>	<b>0.3518</b>	<b>1.5800e-003</b>	<b>0.1316</b>	<b>1.4400e-003</b>	<b>0.1330</b>	<b>0.0351</b>	<b>1.3500e-003</b>	<b>0.0364</b>		<b>168.0124</b>	<b>168.0124</b>	<b>9.4300e-003</b>	<b>0.0137</b>	<b>172.3360</b>



Fullerton POINTE COMMON - Orange County, Summer

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

**3.3 Grading - 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					2.6245	0.0000	2.6245	1.2689	0.0000	1.2689			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560	0.0000	1,995.6147	1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>2.6245</b>	<b>0.6044</b>	<b>3.2288</b>	<b>1.2689</b>	<b>0.5560</b>	<b>1.8249</b>	<b>0.0000</b>	<b>1,995.6147</b>	<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</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	2.3700e-003	0.1354	0.0464	6.4000e-004	0.0198	8.7000e-004	0.0207	5.4300e-003	8.3000e-004	6.2600e-003		72.6762	72.6762	7.3300e-003	0.0117	76.3337
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	0.0282	0.0180	0.3054	9.4000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.2000e-004	0.0302		95.3362	95.3362	2.1000e-003	2.0600e-003	96.0023
<b>Total</b>	<b>0.0305</b>	<b>0.1534</b>	<b>0.3518</b>	<b>1.5800e-003</b>	<b>0.1316</b>	<b>1.4400e-003</b>	<b>0.1330</b>	<b>0.0351</b>	<b>1.3500e-003</b>	<b>0.0364</b>		<b>168.0124</b>	<b>168.0124</b>	<b>9.4300e-003</b>	<b>0.0137</b>	<b>172.3360</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.3 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	lb/day										lb/day					
Fugitive Dust					7.0836	0.0000	7.0836	3.4249	0.0000	3.4249			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
<b>Total</b>	<b>1.3015</b>	<b>13.8178</b>	<b>8.6998</b>	<b>0.0206</b>	<b>7.0836</b>	<b>0.5722</b>	<b>7.6559</b>	<b>3.4249</b>	<b>0.5265</b>	<b>3.9514</b>		<b>1,995.5803</b>	<b>1,995.5803</b>	<b>0.6454</b>		<b>2,011.7155</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	2.3400e-003	0.1345	0.0475	6.3000e-004	0.0198	9.1000e-004	0.0207	5.4300e-003	8.7000e-004	6.3000e-003		71.6803	71.6803	7.4300e-003	0.0115	75.2946
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	0.0265	0.0162	0.2842	9.1000e-004	0.1118	5.4000e-004	0.1123	0.0296	5.0000e-004	0.0301		92.3085	92.3085	1.9000e-003	1.9300e-003	92.9300
<b>Total</b>	<b>0.0288</b>	<b>0.1506</b>	<b>0.3316</b>	<b>1.5400e-003</b>	<b>0.1316</b>	<b>1.4500e-003</b>	<b>0.1331</b>	<b>0.0351</b>	<b>1.3700e-003</b>	<b>0.0364</b>		<b>163.9887</b>	<b>163.9887</b>	<b>9.3300e-003</b>	<b>0.0134</b>	<b>168.2246</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.3 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	lb/day										lb/day					
Fugitive Dust					2.6245	0.0000	2.6245	1.2689	0.0000	1.2689			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
<b>Total</b>	<b>1.3015</b>	<b>13.8178</b>	<b>8.6998</b>	<b>0.0206</b>	<b>2.6245</b>	<b>0.5722</b>	<b>3.1967</b>	<b>1.2689</b>	<b>0.5265</b>	<b>1.7954</b>	<b>0.0000</b>	<b>1,995.5803</b>	<b>1,995.5803</b>	<b>0.6454</b>		<b>2,011.7155</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	2.3400e-003	0.1345	0.0475	6.3000e-004	0.0198	9.1000e-004	0.0207	5.4300e-003	8.7000e-004	6.3000e-003		71.6803	71.6803	7.4300e-003	0.0115	75.2946
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	0.0265	0.0162	0.2842	9.1000e-004	0.1118	5.4000e-004	0.1123	0.0296	5.0000e-004	0.0301		92.3085	92.3085	1.9000e-003	1.9300e-003	92.9300
<b>Total</b>	<b>0.0288</b>	<b>0.1506</b>	<b>0.3316</b>	<b>1.5400e-003</b>	<b>0.1316</b>	<b>1.4500e-003</b>	<b>0.1331</b>	<b>0.0351</b>	<b>1.3700e-003</b>	<b>0.0364</b>		<b>163.9887</b>	<b>163.9887</b>	<b>9.3300e-003</b>	<b>0.0134</b>	<b>168.2246</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
<b>Total</b>	<b>1.7136</b>	<b>13.6239</b>	<b>14.2145</b>	<b>0.0250</b>		<b>0.6136</b>	<b>0.6136</b>		<b>0.5880</b>	<b>0.5880</b>		<b>2,289.5233</b>	<b>2,289.5233</b>	<b>0.4330</b>		<b>2,300.3479</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	0.0212	0.7360	0.3051	3.7700e-003	0.1343	3.7800e-003	0.1381	0.0387	3.6100e-003	0.0423		414.6437	414.6437	0.0247	0.0595	432.9899
Worker	0.2309	0.1477	2.5041	7.7300e-003	0.9166	4.6700e-003	0.9212	0.2431	4.3000e-003	0.2474		781.7566	781.7566	0.0172	0.0169	787.2189
<b>Total</b>	<b>0.2521</b>	<b>0.8837</b>	<b>2.8093</b>	<b>0.0115</b>	<b>1.0509</b>	<b>8.4500e-003</b>	<b>1.0593</b>	<b>0.2817</b>	<b>7.9100e-003</b>	<b>0.2896</b>		<b>1,196.4003</b>	<b>1,196.4003</b>	<b>0.0418</b>	<b>0.0764</b>	<b>1,220.2088</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.4 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
<b>Total</b>	<b>1.7136</b>	<b>13.6239</b>	<b>14.2145</b>	<b>0.0250</b>		<b>0.6136</b>	<b>0.6136</b>		<b>0.5880</b>	<b>0.5880</b>	<b>0.0000</b>	<b>2,289.5233</b>	<b>2,289.5233</b>	<b>0.4330</b>		<b>2,300.3479</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	0.0212	0.7360	0.3051	3.7700e-003	0.1343	3.7800e-003	0.1381	0.0387	3.6100e-003	0.0423		414.6437	414.6437	0.0247	0.0595	432.9899
Worker	0.2309	0.1477	2.5041	7.7300e-003	0.9166	4.6700e-003	0.9212	0.2431	4.3000e-003	0.2474		781.7566	781.7566	0.0172	0.0169	787.2189
<b>Total</b>	<b>0.2521</b>	<b>0.8837</b>	<b>2.8093</b>	<b>0.0115</b>	<b>1.0509</b>	<b>8.4500e-003</b>	<b>1.0593</b>	<b>0.2817</b>	<b>7.9100e-003</b>	<b>0.2896</b>		<b>1,196.4003</b>	<b>1,196.4003</b>	<b>0.0418</b>	<b>0.0764</b>	<b>1,220.2088</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.4 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.654 1	2,289.654 1	0.4265		2,300.315 4
<b>Total</b>	<b>1.5971</b>	<b>12.8235</b>	<b>14.1002</b>	<b>0.0250</b>		<b>0.5381</b>	<b>0.5381</b>		<b>0.5153</b>	<b>0.5153</b>		<b>2,289.654 1</b>	<b>2,289.654 1</b>	<b>0.4265</b>		<b>2,300.315 4</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0209	0.7338	0.3029	3.7100e-003	0.1343	3.9500e-003	0.1382	0.0387	3.7800e-003	0.0424		408.2114	408.2114	0.0249	0.0588	426.3630
Worker	0.2170	0.1327	2.3301	7.4900e-003	0.9166	4.4400e-003	0.9210	0.2431	4.0800e-003	0.2472		756.9296	756.9296	0.0156	0.0158	762.0259
<b>Total</b>	<b>0.2379</b>	<b>0.8665</b>	<b>2.6330</b>	<b>0.0112</b>	<b>1.0509</b>	<b>8.3900e-003</b>	<b>1.0592</b>	<b>0.2817</b>	<b>7.8600e-003</b>	<b>0.2896</b>		<b>1,165.141 0</b>	<b>1,165.141 0</b>	<b>0.0405</b>	<b>0.0746</b>	<b>1,188.388 9</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.4 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.654 1	2,289.654 1	0.4265		2,300.315 4
<b>Total</b>	<b>1.5971</b>	<b>12.8235</b>	<b>14.1002</b>	<b>0.0250</b>		<b>0.5381</b>	<b>0.5381</b>		<b>0.5153</b>	<b>0.5153</b>	<b>0.0000</b>	<b>2,289.654 1</b>	<b>2,289.654 1</b>	<b>0.4265</b>		<b>2,300.315 4</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0209	0.7338	0.3029	3.7100e-003	0.1343	3.9500e-003	0.1382	0.0387	3.7800e-003	0.0424		408.2114	408.2114	0.0249	0.0588	426.3630
Worker	0.2170	0.1327	2.3301	7.4900e-003	0.9166	4.4400e-003	0.9210	0.2431	4.0800e-003	0.2472		756.9296	756.9296	0.0156	0.0158	762.0259
<b>Total</b>	<b>0.2379</b>	<b>0.8665</b>	<b>2.6330</b>	<b>0.0112</b>	<b>1.0509</b>	<b>8.3900e-003</b>	<b>1.0592</b>	<b>0.2817</b>	<b>7.8600e-003</b>	<b>0.2896</b>		<b>1,165.141 0</b>	<b>1,165.141 0</b>	<b>0.0405</b>	<b>0.0746</b>	<b>1,188.388 9</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.4 Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887
<b>Total</b>	<b>1.4897</b>	<b>12.0233</b>	<b>14.0072</b>	<b>0.0250</b>		<b>0.4700</b>	<b>0.4700</b>		<b>0.4498</b>	<b>0.4498</b>		<b>2,289.8898</b>	<b>2,289.8898</b>	<b>0.4200</b>		<b>2,300.3887</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	0.0206	0.7302	0.3017	3.6300e-003	0.1343	3.9700e-003	0.1383	0.0386	3.8000e-003	0.0424		400.5692	400.5692	0.0252	0.0580	418.4734
Worker	0.2048	0.1202	2.1873	7.2300e-003	0.9166	4.2400e-003	0.9208	0.2431	3.9000e-003	0.2470		731.1568	731.1568	0.0142	0.0149	735.9385
<b>Total</b>	<b>0.2254</b>	<b>0.8503</b>	<b>2.4889</b>	<b>0.0109</b>	<b>1.0508</b>	<b>8.2100e-003</b>	<b>1.0591</b>	<b>0.2817</b>	<b>7.7000e-003</b>	<b>0.2894</b>		<b>1,131.7260</b>	<b>1,131.7260</b>	<b>0.0394</b>	<b>0.0728</b>	<b>1,154.4119</b>



Fullerton POINTE COMMON - Orange County, Summer

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

**3.4 Building Construction - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887
<b>Total</b>	<b>1.4897</b>	<b>12.0233</b>	<b>14.0072</b>	<b>0.0250</b>		<b>0.4700</b>	<b>0.4700</b>		<b>0.4498</b>	<b>0.4498</b>	<b>0.0000</b>	<b>2,289.8898</b>	<b>2,289.8898</b>	<b>0.4200</b>		<b>2,300.3887</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0206	0.7302	0.3017	3.6300e-003	0.1343	3.9700e-003	0.1383	0.0386	3.8000e-003	0.0424		400.5692	400.5692	0.0252	0.0580	418.4734
Worker	0.2048	0.1202	2.1873	7.2300e-003	0.9166	4.2400e-003	0.9208	0.2431	3.9000e-003	0.2470		731.1568	731.1568	0.0142	0.0149	735.9385
<b>Total</b>	<b>0.2254</b>	<b>0.8503</b>	<b>2.4889</b>	<b>0.0109</b>	<b>1.0508</b>	<b>8.2100e-003</b>	<b>1.0591</b>	<b>0.2817</b>	<b>7.7000e-003</b>	<b>0.2894</b>		<b>1,131.7260</b>	<b>1,131.7260</b>	<b>0.0394</b>	<b>0.0728</b>	<b>1,154.4119</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.5 Paving - 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	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234		1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.1105					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8959</b>	<b>7.4371</b>	<b>11.6737</b>	<b>0.0179</b>		<b>0.3503</b>	<b>0.3503</b>		<b>0.3234</b>	<b>0.3234</b>		<b>1,710.0067</b>	<b>1,710.0067</b>	<b>0.5420</b>		<b>1,723.5556</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	0.0375	0.0220	0.4001	1.3200e-003	0.1677	7.8000e-004	0.1684	0.0445	7.1000e-004	0.0452		133.7482	133.7482	2.5900e-003	2.7200e-003	134.6229
<b>Total</b>	<b>0.0375</b>	<b>0.0220</b>	<b>0.4001</b>	<b>1.3200e-003</b>	<b>0.1677</b>	<b>7.8000e-004</b>	<b>0.1684</b>	<b>0.0445</b>	<b>7.1000e-004</b>	<b>0.0452</b>		<b>133.7482</b>	<b>133.7482</b>	<b>2.5900e-003</b>	<b>2.7200e-003</b>	<b>134.6229</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.5 Paving - 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	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234	0.0000	1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.1105					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.8959</b>	<b>7.4371</b>	<b>11.6737</b>	<b>0.0179</b>		<b>0.3503</b>	<b>0.3503</b>		<b>0.3234</b>	<b>0.3234</b>	<b>0.0000</b>	<b>1,710.0067</b>	<b>1,710.0067</b>	<b>0.5420</b>		<b>1,723.5556</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	0.0375	0.0220	0.4001	1.3200e-003	0.1677	7.8000e-004	0.1684	0.0445	7.1000e-004	0.0452		133.7482	133.7482	2.5900e-003	2.7200e-003	134.6229
<b>Total</b>	<b>0.0375</b>	<b>0.0220</b>	<b>0.4001</b>	<b>1.3200e-003</b>	<b>0.1677</b>	<b>7.8000e-004</b>	<b>0.1684</b>	<b>0.0445</b>	<b>7.1000e-004</b>	<b>0.0452</b>		<b>133.7482</b>	<b>133.7482</b>	<b>2.5900e-003</b>	<b>2.7200e-003</b>	<b>134.6229</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.6 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.2876					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>15.4585</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	0.0400	0.0234	0.4268	1.4100e-003	0.1788	8.3000e-004	0.1797	0.0474	7.6000e-004	0.0482		142.6647	142.6647	2.7600e-003	2.9000e-003	143.5978
<b>Total</b>	<b>0.0400</b>	<b>0.0234</b>	<b>0.4268</b>	<b>1.4100e-003</b>	<b>0.1788</b>	<b>8.3000e-004</b>	<b>0.1797</b>	<b>0.0474</b>	<b>7.6000e-004</b>	<b>0.0482</b>		<b>142.6647</b>	<b>142.6647</b>	<b>2.7600e-003</b>	<b>2.9000e-003</b>	<b>143.5978</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**3.6 Architectural Coating - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	15.2876					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>15.4585</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	0.0400	0.0234	0.4268	1.4100e-003	0.1788	8.3000e-004	0.1797	0.0474	7.6000e-004	0.0482		142.6647	142.6647	2.7600e-003	2.9000e-003	143.5978
<b>Total</b>	<b>0.0400</b>	<b>0.0234</b>	<b>0.4268</b>	<b>1.4100e-003</b>	<b>0.1788</b>	<b>8.3000e-004</b>	<b>0.1797</b>	<b>0.0474</b>	<b>7.6000e-004</b>	<b>0.0482</b>		<b>142.6647</b>	<b>142.6647</b>	<b>2.7600e-003</b>	<b>2.9000e-003</b>	<b>143.5978</b>

Fullerton POINTE COMMON - Orange County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4545	1.4468	14.6118	0.0352	3.9829	0.0234	4.0063	1.0616	0.0218	1.0834		3,587.699 1	3,587.699 1	0.2070	0.1397	3,634.516 0
Unmitigated	1.4545	1.4468	14.6118	0.0352	3.9829	0.0234	4.0063	1.0616	0.0218	1.0834		3,587.699 1	3,587.699 1	0.2070	0.1397	3,634.516 0

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	553.15	553.15	553.15	1,890,198	1,890,198
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	553.15	553.15	553.15	1,890,198	1,890,198

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 Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Fullerton POINTE COMMON - Orange County, Summer

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Other Non-Asphalt Surfaces	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Parking Lot	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0214	0.1830	0.0779	1.1700e-003		0.0148	0.0148		0.0148	0.0148		233.5940	233.5940	4.4800e-003	4.2800e-003	234.9821
NaturalGas Unmitigated	0.0214	0.1830	0.0779	1.1700e-003		0.0148	0.0148		0.0148	0.0148		233.5940	233.5940	4.4800e-003	4.2800e-003	234.9821

Fullerton POINTE COMMON - Orange County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

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					
Apartments Mid Rise	1985.55	0.0214	0.1830	0.0779	1.1700e-003		0.0148	0.0148		0.0148	0.0148		233.5940	233.5940	4.4800e-003	4.2800e-003	234.9821
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0214</b>	<b>0.1830</b>	<b>0.0779</b>	<b>1.1700e-003</b>		<b>0.0148</b>	<b>0.0148</b>		<b>0.0148</b>	<b>0.0148</b>		<b>233.5940</b>	<b>233.5940</b>	<b>4.4800e-003</b>	<b>4.2800e-003</b>	<b>234.9821</b>



Fullerton POINTE COMMON - Orange County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas 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					
Apartments Mid Rise	1.98555	0.0214	0.1830	0.0779	1.1700e-003		0.0148	0.0148		0.0148	0.0148		233.5940	233.5940	4.4800e-003	4.2800e-003	234.9821
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0214</b>	<b>0.1830</b>	<b>0.0779</b>	<b>1.1700e-003</b>		<b>0.0148</b>	<b>0.0148</b>		<b>0.0148</b>	<b>0.0148</b>		<b>233.5940</b>	<b>233.5940</b>	<b>4.4800e-003</b>	<b>4.2800e-003</b>	<b>234.9821</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Fullerton POINTE COMMON - Orange County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	18.3438	1.4105	38.4286	0.0846		4.9950	4.9950		4.9950	4.9950	608.8497	1,179.6886	1,788.5383	1.8250	0.0413	1,846.4789
Unmitigated	18.3438	1.4105	38.4286	0.0846		4.9950	4.9950		4.9950	4.9950	608.8497	1,179.6886	1,788.5383	1.8250	0.0413	1,846.4789

**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	0.0921					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	17.0323	1.3486	33.0559	0.0843		4.9652	4.9652		4.9652	4.9652	608.8497	1,170.0000	1,778.8497	1.8157	0.0413	1,836.5571
Landscaping	0.1623	0.0619	5.3727	2.8000e-004		0.0298	0.0298		0.0298	0.0298		9.6886	9.6886	9.3300e-003		9.9219
<b>Total</b>	<b>18.3438</b>	<b>1.4105</b>	<b>38.4286</b>	<b>0.0846</b>		<b>4.9950</b>	<b>4.9950</b>		<b>4.9950</b>	<b>4.9950</b>	<b>608.8497</b>	<b>1,179.6886</b>	<b>1,788.5383</b>	<b>1.8250</b>	<b>0.0413</b>	<b>1,846.4789</b>

Fullerton POINTE COMMON - Orange County, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0921					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	17.0323	1.3486	33.0559	0.0843		4.9652	4.9652		4.9652	4.9652	608.8497	1,170.0000	1,778.8497	1.8157	0.0413	1,836.5571
Landscaping	0.1623	0.0619	5.3727	2.8000e-004		0.0298	0.0298		0.0298	0.0298		9.6886	9.6886	9.3300e-003		9.9219
<b>Total</b>	<b>18.3438</b>	<b>1.4105</b>	<b>38.4286</b>	<b>0.0846</b>		<b>4.9950</b>	<b>4.9950</b>		<b>4.9950</b>	<b>4.9950</b>	<b>608.8497</b>	<b>1,179.6886</b>	<b>1,788.5383</b>	<b>1.8250</b>	<b>0.0413</b>	<b>1,846.4789</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Fullerton POINTE COMMON - Orange County, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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

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**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	41.22	1000sqft	0.95	41,220.00	0
Parking Lot	108.00	Space	0.97	43,200.00	0
Apartments Mid Rise	65.00	Dwelling Unit	0.58	51,874.00	186

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	30
<b>Climate Zone</b>	8			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<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 - per site plan
- Construction Phase - per AQ construction questionnaire
- Grading - per grading plan
- Architectural Coating - SCAQMD Rule 1113
- Vehicle Trips - per trip generation info recived Nov 1.
- Area Coating - SCAQMD Rule 1113
- Construction Off-road Equipment Mitigation - Rule 403
- Area Mitigation - rule 1113
- Energy Mitigation - Per Operational questionnaire

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

Water Mitigation - per operational questionnaire

Waste Mitigation - Per AB 341

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_EF_Parking	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	220.00	436.00
tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	NumDays	6.00	22.00
tblConstructionPhase	NumDays	10.00	23.00
tblGrading	MaterialExported	0.00	200.00
tblLandUse	LandUseSquareFeet	65,000.00	51,874.00
tblLandUse	LotAcreage	1.71	0.58
tblVehicleTrips	ST_TR	4.91	8.51
tblVehicleTrips	SU_TR	4.09	8.51
tblVehicleTrips	WD_TR	5.44	8.51

**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**

**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	0.0387	0.3424	0.3071	6.8000e-004	0.0875	0.0146	0.1021	0.0394	0.0137	0.0531	0.0000	59.0684	59.0684	0.0121	8.8000e-004	59.6333
2024	0.2411	1.8070	2.1829	4.7200e-003	0.1500	0.0719	0.2219	0.0393	0.0688	0.1080	0.0000	408.4457	408.4457	0.0558	9.0300e-003	412.5326
2025	0.3125	1.0873	1.4176	2.9900e-003	0.0828	0.0412	0.1240	0.0222	0.0393	0.0615	0.0000	259.0815	259.0815	0.0378	5.2000e-003	261.5757
<b>Maximum</b>	<b>0.3125</b>	<b>1.8070</b>	<b>2.1829</b>	<b>4.7200e-003</b>	<b>0.1500</b>	<b>0.0719</b>	<b>0.2219</b>	<b>0.0394</b>	<b>0.0688</b>	<b>0.1080</b>	<b>0.0000</b>	<b>408.4457</b>	<b>408.4457</b>	<b>0.0558</b>	<b>9.0300e-003</b>	<b>412.5326</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	0.0387	0.3424	0.3071	6.8000e-004	0.0403	0.0146	0.0549	0.0167	0.0137	0.0304	0.0000	59.0684	59.0684	0.0121	8.8000e-004	59.6333
2024	0.2411	1.8070	2.1829	4.7200e-003	0.1408	0.0719	0.2126	0.0374	0.0688	0.1062	0.0000	408.4454	408.4454	0.0558	9.0300e-003	412.5322
2025	0.3125	1.0873	1.4176	2.9900e-003	0.0828	0.0412	0.1240	0.0222	0.0393	0.0615	0.0000	259.0813	259.0813	0.0378	5.2000e-003	261.5754
<b>Maximum</b>	<b>0.3125</b>	<b>1.8070</b>	<b>2.1829</b>	<b>4.7200e-003</b>	<b>0.1408</b>	<b>0.0719</b>	<b>0.2126</b>	<b>0.0374</b>	<b>0.0688</b>	<b>0.1062</b>	<b>0.0000</b>	<b>408.4454</b>	<b>408.4454</b>	<b>0.0558</b>	<b>9.0300e-003</b>	<b>412.5322</b>

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	17.61	0.00	12.59	24.31	0.00	11.00	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	12-1-2023	2-29-2024	0.7394	0.7394
2	3-1-2024	5-31-2024	0.5108	0.5108
3	6-1-2024	8-31-2024	0.5101	0.5101
4	9-1-2024	11-30-2024	0.5060	0.5060
5	12-1-2024	2-28-2025	0.4814	0.4814
6	3-1-2025	5-31-2025	0.4801	0.4801
7	6-1-2025	8-31-2025	0.6005	0.6005
8	9-1-2025	9-30-2025	0.0060	0.0060
		Highest	0.7394	0.7394



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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4429	0.0246	1.0848	1.0900e-003		0.0658	0.0658		0.0658	0.0658	6.9042	14.3662	21.2705	0.0217	4.7000e-004	21.9513
Energy	3.9100e-003	0.0334	0.0142	2.1000e-004		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003	0.0000	85.5499	85.5499	4.7000e-003	1.1900e-003	86.0215
Mobile	0.2573	0.2867	2.6480	6.2200e-003	0.7121	4.2600e-003	0.7163	0.1901	3.9600e-003	0.1940	0.0000	575.3087	575.3087	0.0350	0.0241	583.3793
Waste						0.0000	0.0000		0.0000	0.0000	6.0694	0.0000	6.0694	0.3587	0.0000	15.0368
Water						0.0000	0.0000		0.0000	0.0000	1.3436	15.0401	16.3837	0.1393	3.4100e-003	20.8822
<b>Total</b>	<b>0.7041</b>	<b>0.3447</b>	<b>3.7470</b>	<b>7.5200e-003</b>	<b>0.7121</b>	<b>0.0728</b>	<b>0.7848</b>	<b>0.1901</b>	<b>0.0725</b>	<b>0.2625</b>	<b>14.3172</b>	<b>690.2649</b>	<b>704.5821</b>	<b>0.5593</b>	<b>0.0292</b>	<b>727.2712</b>

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

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4429	0.0246	1.0848	1.0900e-003		0.0658	0.0658		0.0658	0.0658	6.9042	14.3662	21.2705	0.0217	4.7000e-004	21.9513
Energy	3.9100e-003	0.0334	0.0142	2.1000e-004		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003	0.0000	84.3262	84.3262	4.5900e-003	1.1800e-003	84.7915
Mobile	0.2573	0.2867	2.6480	6.2200e-003	0.7121	4.2600e-003	0.7163	0.1901	3.9600e-003	0.1940	0.0000	575.3087	575.3087	0.0350	0.0241	583.3793
Waste						0.0000	0.0000		0.0000	0.0000	3.0347	0.0000	3.0347	0.1794	0.0000	7.5184
Water						0.0000	0.0000		0.0000	0.0000	1.0749	13.0842	14.1590	0.1115	2.7400e-003	17.7633
<b>Total</b>	<b>0.7041</b>	<b>0.3447</b>	<b>3.7470</b>	<b>7.5200e-003</b>	<b>0.7121</b>	<b>0.0728</b>	<b>0.7848</b>	<b>0.1901</b>	<b>0.0725</b>	<b>0.2625</b>	<b>11.0138</b>	<b>687.0853</b>	<b>698.0991</b>	<b>0.3521</b>	<b>0.0285</b>	<b>715.4038</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>23.07</b>	<b>0.46</b>	<b>0.92</b>	<b>37.05</b>	<b>2.33</b>	<b>1.63</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	12/1/2023	12/7/2023	5	5	
2	Grading	Grading	12/1/2023	1/1/2024	5	22	
3	Building Construction	Building Construction	12/1/2023	8/1/2025	5	436	

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4	Paving	Paving	7/1/2025	7/31/2025	5	23
5	Architectural Coating	Architectural Coating	8/1/2025	9/1/2025	5	22

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

**Acres of Grading (Grading Phase): 22**

**Acres of Paving: 1.92**

**Residential Indoor: 105,045; Residential Outdoor: 35,015; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 5,065 (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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48
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

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**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	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	25.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	82.00	21.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 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	3.6800e-003	0.0358	0.0336	6.0000e-005		1.6900e-003	1.6900e-003		1.5800e-003	1.5800e-003	0.0000	5.2716	5.2716	1.3400e-003	0.0000	5.3051
<b>Total</b>	<b>3.6800e-003</b>	<b>0.0358</b>	<b>0.0336</b>	<b>6.0000e-005</b>		<b>1.6900e-003</b>	<b>1.6900e-003</b>		<b>1.5800e-003</b>	<b>1.5800e-003</b>	<b>0.0000</b>	<b>5.2716</b>	<b>5.2716</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>5.3051</b>

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**3.2 Demolition - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	7.0000e-005	9.5000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2713	0.2713	1.0000e-005	1.0000e-005	0.2734
<b>Total</b>	<b>9.0000e-005</b>	<b>7.0000e-005</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.2713</b>	<b>0.2713</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2734</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6800e-003	0.0358	0.0336	6.0000e-005		1.6900e-003	1.6900e-003		1.5800e-003	1.5800e-003	0.0000	5.2716	5.2716	1.3400e-003	0.0000	5.3051
<b>Total</b>	<b>3.6800e-003</b>	<b>0.0358</b>	<b>0.0336</b>	<b>6.0000e-005</b>		<b>1.6900e-003</b>	<b>1.6900e-003</b>		<b>1.5800e-003</b>	<b>1.5800e-003</b>	<b>0.0000</b>	<b>5.2716</b>	<b>5.2716</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>5.3051</b>

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

**3.2 Demolition - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	7.0000e-005	9.5000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2713	0.2713	1.0000e-005	1.0000e-005	0.2734
<b>Total</b>	<b>9.0000e-005</b>	<b>7.0000e-005</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.2713</b>	<b>0.2713</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2734</b>

**3.3 Grading - 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					0.0749	0.0000	0.0749	0.0360	0.0000	0.0360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.1519	0.0914	2.2000e-004		6.3500e-003	6.3500e-003		5.8400e-003	5.8400e-003	0.0000	19.0091	19.0091	6.1500e-003	0.0000	19.1628
<b>Total</b>	<b>0.0140</b>	<b>0.1519</b>	<b>0.0914</b>	<b>2.2000e-004</b>	<b>0.0749</b>	<b>6.3500e-003</b>	<b>0.0813</b>	<b>0.0360</b>	<b>5.8400e-003</b>	<b>0.0419</b>	<b>0.0000</b>	<b>19.0091</b>	<b>19.0091</b>	<b>6.1500e-003</b>	<b>0.0000</b>	<b>19.1628</b>

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**3.3 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.5000e-003	4.9000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6925	0.6925	7.0000e-005	1.1000e-004	0.7274
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	3.0000e-004	2.1000e-004	3.0500e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.8764	0.8764	2.0000e-005	2.0000e-005	0.8832
<b>Total</b>	<b>3.2000e-004</b>	<b>1.7100e-003</b>	<b>3.5400e-003</b>	<b>2.0000e-005</b>	<b>1.3500e-003</b>	<b>2.0000e-005</b>	<b>1.3700e-003</b>	<b>3.7000e-004</b>	<b>2.0000e-005</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.5690</b>	<b>1.5690</b>	<b>9.0000e-005</b>	<b>1.3000e-004</b>	<b>1.6106</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0278	0.0000	0.0278	0.0133	0.0000	0.0133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.1519	0.0914	2.2000e-004		6.3500e-003	6.3500e-003		5.8400e-003	5.8400e-003	0.0000	19.0091	19.0091	6.1500e-003	0.0000	19.1628
<b>Total</b>	<b>0.0140</b>	<b>0.1519</b>	<b>0.0914</b>	<b>2.2000e-004</b>	<b>0.0278</b>	<b>6.3500e-003</b>	<b>0.0341</b>	<b>0.0133</b>	<b>5.8400e-003</b>	<b>0.0192</b>	<b>0.0000</b>	<b>19.0091</b>	<b>19.0091</b>	<b>6.1500e-003</b>	<b>0.0000</b>	<b>19.1628</b>

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**3.3 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	1.5000e-003	4.9000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.6925	0.6925	7.0000e-005	1.1000e-004	0.7274
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	3.0000e-004	2.1000e-004	3.0500e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.8764	0.8764	2.0000e-005	2.0000e-005	0.8832
<b>Total</b>	<b>3.2000e-004</b>	<b>1.7100e-003</b>	<b>3.5400e-003</b>	<b>2.0000e-005</b>	<b>1.3500e-003</b>	<b>2.0000e-005</b>	<b>1.3700e-003</b>	<b>3.7000e-004</b>	<b>2.0000e-005</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>1.5690</b>	<b>1.5690</b>	<b>9.0000e-005</b>	<b>1.3000e-004</b>	<b>1.6106</b>

**3.3 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					0.0147	0.0000	0.0147	2.9200e-003	0.0000	2.9200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5000e-004	6.9100e-003	4.3500e-003	1.0000e-005		2.9000e-004	2.9000e-004		2.6000e-004	2.6000e-004	0.0000	0.9052	0.9052	2.9000e-004	0.0000	0.9125
<b>Total</b>	<b>6.5000e-004</b>	<b>6.9100e-003</b>	<b>4.3500e-003</b>	<b>1.0000e-005</b>	<b>0.0147</b>	<b>2.9000e-004</b>	<b>0.0150</b>	<b>2.9200e-003</b>	<b>2.6000e-004</b>	<b>3.1800e-003</b>	<b>0.0000</b>	<b>0.9052</b>	<b>0.9052</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.9125</b>



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

**3.3 Grading - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	7.0000e-005	2.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0325	0.0325	0.0000	1.0000e-005	0.0342
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-005	1.0000e-005	1.4000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0404	0.0404	0.0000	0.0000	0.0407
<b>Total</b>	<b>1.0000e-005</b>	<b>8.0000e-005</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0729</b>	<b>0.0729</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0749</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.4400e-003	0.0000	5.4400e-003	1.0800e-003	0.0000	1.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5000e-004	6.9100e-003	4.3500e-003	1.0000e-005		2.9000e-004	2.9000e-004		2.6000e-004	2.6000e-004	0.0000	0.9052	0.9052	2.9000e-004	0.0000	0.9125
<b>Total</b>	<b>6.5000e-004</b>	<b>6.9100e-003</b>	<b>4.3500e-003</b>	<b>1.0000e-005</b>	<b>5.4400e-003</b>	<b>2.9000e-004</b>	<b>5.7300e-003</b>	<b>1.0800e-003</b>	<b>2.6000e-004</b>	<b>1.3400e-003</b>	<b>0.0000</b>	<b>0.9052</b>	<b>0.9052</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.9125</b>

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

**3.3 Grading - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	7.0000e-005	2.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0325	0.0325	0.0000	1.0000e-005	0.0342
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-005	1.0000e-005	1.4000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0404	0.0404	0.0000	0.0000	0.0407
<b>Total</b>	<b>1.0000e-005</b>	<b>8.0000e-005</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0729</b>	<b>0.0729</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0749</b>

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0180	0.1431	0.1493	2.6000e-004		6.4400e-003	6.4400e-003		6.1700e-003	6.1700e-003	0.0000	21.8087	21.8087	4.1200e-003	0.0000	21.9118
<b>Total</b>	<b>0.0180</b>	<b>0.1431</b>	<b>0.1493</b>	<b>2.6000e-004</b>		<b>6.4400e-003</b>	<b>6.4400e-003</b>		<b>6.1700e-003</b>	<b>6.1700e-003</b>	<b>0.0000</b>	<b>21.8087</b>	<b>21.8087</b>	<b>4.1200e-003</b>	<b>0.0000</b>	<b>21.9118</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 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-004	8.0900e-003	3.2500e-003	4.0000e-005	1.3900e-003	4.0000e-005	1.4300e-003	4.0000e-004	4.0000e-005	4.4000e-004	0.0000	3.9521	3.9521	2.3000e-004	5.7000e-004	4.1271
Worker	2.4300e-003	1.7400e-003	0.0251	8.0000e-005	9.4500e-003	5.0000e-005	9.5000e-003	2.5100e-003	5.0000e-005	2.5600e-003	0.0000	7.1866	7.1866	1.7000e-004	1.7000e-004	7.2425
<b>Total</b>	<b>2.6500e-003</b>	<b>9.8300e-003</b>	<b>0.0283</b>	<b>1.2000e-004</b>	<b>0.0108</b>	<b>9.0000e-005</b>	<b>0.0109</b>	<b>2.9100e-003</b>	<b>9.0000e-005</b>	<b>3.0000e-003</b>	<b>0.0000</b>	<b>11.1387</b>	<b>11.1387</b>	<b>4.0000e-004</b>	<b>7.4000e-004</b>	<b>11.3696</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0180	0.1431	0.1493	2.6000e-004		6.4400e-003	6.4400e-003		6.1700e-003	6.1700e-003	0.0000	21.8087	21.8087	4.1200e-003	0.0000	21.9118
<b>Total</b>	<b>0.0180</b>	<b>0.1431</b>	<b>0.1493</b>	<b>2.6000e-004</b>		<b>6.4400e-003</b>	<b>6.4400e-003</b>		<b>6.1700e-003</b>	<b>6.1700e-003</b>	<b>0.0000</b>	<b>21.8087</b>	<b>21.8087</b>	<b>4.1200e-003</b>	<b>0.0000</b>	<b>21.9118</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 Building Construction - 2023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-004	8.0900e-003	3.2500e-003	4.0000e-005	1.3900e-003	4.0000e-005	1.4300e-003	4.0000e-004	4.0000e-005	4.4000e-004	0.0000	3.9521	3.9521	2.3000e-004	5.7000e-004	4.1271
Worker	2.4300e-003	1.7400e-003	0.0251	8.0000e-005	9.4500e-003	5.0000e-005	9.5000e-003	2.5100e-003	5.0000e-005	2.5600e-003	0.0000	7.1866	7.1866	1.7000e-004	1.7000e-004	7.2425
<b>Total</b>	<b>2.6500e-003</b>	<b>9.8300e-003</b>	<b>0.0283</b>	<b>1.2000e-004</b>	<b>0.0108</b>	<b>9.0000e-005</b>	<b>0.0109</b>	<b>2.9100e-003</b>	<b>9.0000e-005</b>	<b>3.0000e-003</b>	<b>0.0000</b>	<b>11.1387</b>	<b>11.1387</b>	<b>4.0000e-004</b>	<b>7.4000e-004</b>	<b>11.3696</b>

**3.4 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	0.2092	1.6799	1.8471	3.2800e-003		0.0705	0.0705		0.0675	0.0675	0.0000	272.1052	272.1052	0.0507	0.0000	273.3722
<b>Total</b>	<b>0.2092</b>	<b>1.6799</b>	<b>1.8471</b>	<b>3.2800e-003</b>		<b>0.0705</b>	<b>0.0705</b>		<b>0.0675</b>	<b>0.0675</b>	<b>0.0000</b>	<b>272.1052</b>	<b>272.1052</b>	<b>0.0507</b>	<b>0.0000</b>	<b>273.3722</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 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6900e-003	0.1007	0.0403	4.9000e-004	0.0173	5.2000e-004	0.0179	5.0000e-003	5.0000e-004	5.5000e-003	0.0000	48.5431	48.5431	2.9600e-003	7.0000e-003	50.7030
Worker	0.0285	0.0195	0.2911	9.5000e-004	0.1179	5.8000e-004	0.1185	0.0313	5.4000e-004	0.0319	0.0000	86.8192	86.8192	1.8900e-003	2.0200e-003	87.4699
<b>Total</b>	<b>0.0312</b>	<b>0.1202</b>	<b>0.3313</b>	<b>1.4400e-003</b>	<b>0.1353</b>	<b>1.1000e-003</b>	<b>0.1364</b>	<b>0.0363</b>	<b>1.0400e-003</b>	<b>0.0374</b>	<b>0.0000</b>	<b>135.3624</b>	<b>135.3624</b>	<b>4.8500e-003</b>	<b>9.0200e-003</b>	<b>138.1729</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2092	1.6799	1.8471	3.2800e-003		0.0705	0.0705		0.0675	0.0675	0.0000	272.1049	272.1049	0.0507	0.0000	273.3719
<b>Total</b>	<b>0.2092</b>	<b>1.6799</b>	<b>1.8471</b>	<b>3.2800e-003</b>		<b>0.0705</b>	<b>0.0705</b>		<b>0.0675</b>	<b>0.0675</b>	<b>0.0000</b>	<b>272.1049</b>	<b>272.1049</b>	<b>0.0507</b>	<b>0.0000</b>	<b>273.3719</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 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6900e-003	0.1007	0.0403	4.9000e-004	0.0173	5.2000e-004	0.0179	5.0000e-003	5.0000e-004	5.5000e-003	0.0000	48.5431	48.5431	2.9600e-003	7.0000e-003	50.7030
Worker	0.0285	0.0195	0.2911	9.5000e-004	0.1179	5.8000e-004	0.1185	0.0313	5.4000e-004	0.0319	0.0000	86.8192	86.8192	1.8900e-003	2.0200e-003	87.4699
<b>Total</b>	<b>0.0312</b>	<b>0.1202</b>	<b>0.3313</b>	<b>1.4400e-003</b>	<b>0.1353</b>	<b>1.1000e-003</b>	<b>0.1364</b>	<b>0.0363</b>	<b>1.0400e-003</b>	<b>0.0374</b>	<b>0.0000</b>	<b>135.3624</b>	<b>135.3624</b>	<b>4.8500e-003</b>	<b>9.0200e-003</b>	<b>138.1729</b>

**3.4 Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1140	0.9198	1.0716	1.9100e-003		0.0360	0.0360		0.0344	0.0344	0.0000	158.9175	158.9175	0.0291	0.0000	159.6461
<b>Total</b>	<b>0.1140</b>	<b>0.9198</b>	<b>1.0716</b>	<b>1.9100e-003</b>		<b>0.0360</b>	<b>0.0360</b>		<b>0.0344</b>	<b>0.0344</b>	<b>0.0000</b>	<b>158.9175</b>	<b>158.9175</b>	<b>0.0291</b>	<b>0.0000</b>	<b>159.6461</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 Building Construction - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5500e-003	0.0585	0.0234	2.8000e-004	0.0101	3.0000e-004	0.0104	2.9200e-003	2.9000e-004	3.2100e-003	0.0000	27.8174	27.8174	1.7500e-003	4.0300e-003	29.0615
Worker	0.0158	0.0103	0.1596	5.3000e-004	0.0689	3.2000e-004	0.0692	0.0183	3.0000e-004	0.0186	0.0000	48.9772	48.9772	1.0100e-003	1.1100e-003	49.3337
<b>Total</b>	<b>0.0173</b>	<b>0.0688</b>	<b>0.1830</b>	<b>8.1000e-004</b>	<b>0.0790</b>	<b>6.2000e-004</b>	<b>0.0796</b>	<b>0.0212</b>	<b>5.9000e-004</b>	<b>0.0218</b>	<b>0.0000</b>	<b>76.7946</b>	<b>76.7946</b>	<b>2.7600e-003</b>	<b>5.1400e-003</b>	<b>78.3951</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1140	0.9198	1.0716	1.9100e-003		0.0360	0.0360		0.0344	0.0344	0.0000	158.9173	158.9173	0.0291	0.0000	159.6459
<b>Total</b>	<b>0.1140</b>	<b>0.9198</b>	<b>1.0716</b>	<b>1.9100e-003</b>		<b>0.0360</b>	<b>0.0360</b>		<b>0.0344</b>	<b>0.0344</b>	<b>0.0000</b>	<b>158.9173</b>	<b>158.9173</b>	<b>0.0291</b>	<b>0.0000</b>	<b>159.6459</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 Building Construction - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5500e-003	0.0585	0.0234	2.8000e-004	0.0101	3.0000e-004	0.0104	2.9200e-003	2.9000e-004	3.2100e-003	0.0000	27.8174	27.8174	1.7500e-003	4.0300e-003	29.0615
Worker	0.0158	0.0103	0.1596	5.3000e-004	0.0689	3.2000e-004	0.0692	0.0183	3.0000e-004	0.0186	0.0000	48.9772	48.9772	1.0100e-003	1.1100e-003	49.3337
<b>Total</b>	<b>0.0173</b>	<b>0.0688</b>	<b>0.1830</b>	<b>8.1000e-004</b>	<b>0.0790</b>	<b>6.2000e-004</b>	<b>0.0796</b>	<b>0.0212</b>	<b>5.9000e-004</b>	<b>0.0218</b>	<b>0.0000</b>	<b>76.7946</b>	<b>76.7946</b>	<b>2.7600e-003</b>	<b>5.1400e-003</b>	<b>78.3951</b>

**3.5 Paving - 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	9.0300e-003	0.0855	0.1343	2.1000e-004		4.0300e-003	4.0300e-003		3.7200e-003	3.7200e-003	0.0000	17.8399	17.8399	5.6500e-003	0.0000	17.9812
Paving	1.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0103</b>	<b>0.0855</b>	<b>0.1343</b>	<b>2.1000e-004</b>		<b>4.0300e-003</b>	<b>4.0300e-003</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>	<b>0.0000</b>	<b>17.8399</b>	<b>17.8399</b>	<b>5.6500e-003</b>	<b>0.0000</b>	<b>17.9812</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 Paving - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.8000e-004	4.3900e-003	1.0000e-005	1.8900e-003	1.0000e-005	1.9000e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.3468	1.3468	3.0000e-005	3.0000e-005	1.3566
<b>Total</b>	<b>4.3000e-004</b>	<b>2.8000e-004</b>	<b>4.3900e-003</b>	<b>1.0000e-005</b>	<b>1.8900e-003</b>	<b>1.0000e-005</b>	<b>1.9000e-003</b>	<b>5.0000e-004</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.3468</b>	<b>1.3468</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.3566</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.0300e-003	0.0855	0.1343	2.1000e-004		4.0300e-003	4.0300e-003		3.7200e-003	3.7200e-003	0.0000	17.8398	17.8398	5.6500e-003	0.0000	17.9812
Paving	1.2700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0103</b>	<b>0.0855</b>	<b>0.1343</b>	<b>2.1000e-004</b>		<b>4.0300e-003</b>	<b>4.0300e-003</b>		<b>3.7200e-003</b>	<b>3.7200e-003</b>	<b>0.0000</b>	<b>17.8398</b>	<b>17.8398</b>	<b>5.6500e-003</b>	<b>0.0000</b>	<b>17.9812</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 Paving - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	2.8000e-004	4.3900e-003	1.0000e-005	1.8900e-003	1.0000e-005	1.9000e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.3468	1.3468	3.0000e-005	3.0000e-005	1.3566
<b>Total</b>	<b>4.3000e-004</b>	<b>2.8000e-004</b>	<b>4.3900e-003</b>	<b>1.0000e-005</b>	<b>1.8900e-003</b>	<b>1.0000e-005</b>	<b>1.9000e-003</b>	<b>5.0000e-004</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.3468</b>	<b>1.3468</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.3566</b>

**3.6 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8800e-003	0.0126	0.0199	3.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	2.8086	2.8086	1.5000e-004	0.0000	2.8124
<b>Total</b>	<b>0.1700</b>	<b>0.0126</b>	<b>0.0199</b>	<b>3.0000e-005</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>2.8086</b>	<b>2.8086</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.8124</b>

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**3.6 Architectural Coating - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.9000e-004	4.4800e-003	1.0000e-005	1.9300e-003	1.0000e-005	1.9400e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.3741	1.3741	3.0000e-005	3.0000e-005	1.3841
<b>Total</b>	<b>4.4000e-004</b>	<b>2.9000e-004</b>	<b>4.4800e-003</b>	<b>1.0000e-005</b>	<b>1.9300e-003</b>	<b>1.0000e-005</b>	<b>1.9400e-003</b>	<b>5.1000e-004</b>	<b>1.0000e-005</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>1.3741</b>	<b>1.3741</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.3841</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8800e-003	0.0126	0.0199	3.0000e-005		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	2.8086	2.8086	1.5000e-004	0.0000	2.8124
<b>Total</b>	<b>0.1700</b>	<b>0.0126</b>	<b>0.0199</b>	<b>3.0000e-005</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>2.8086</b>	<b>2.8086</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>2.8124</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 Architectural Coating - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	2.9000e-004	4.4800e-003	1.0000e-005	1.9300e-003	1.0000e-005	1.9400e-003	5.1000e-004	1.0000e-005	5.2000e-004	0.0000	1.3741	1.3741	3.0000e-005	3.0000e-005	1.3841
<b>Total</b>	<b>4.4000e-004</b>	<b>2.9000e-004</b>	<b>4.4800e-003</b>	<b>1.0000e-005</b>	<b>1.9300e-003</b>	<b>1.0000e-005</b>	<b>1.9400e-003</b>	<b>5.1000e-004</b>	<b>1.0000e-005</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>1.3741</b>	<b>1.3741</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.3841</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2573	0.2867	2.6480	6.2200e-003	0.7121	4.2600e-003	0.7163	0.1901	3.9600e-003	0.1940	0.0000	575.3087	575.3087	0.0350	0.0241	583.3793
Unmitigated	0.2573	0.2867	2.6480	6.2200e-003	0.7121	4.2600e-003	0.7163	0.1901	3.9600e-003	0.1940	0.0000	575.3087	575.3087	0.0350	0.0241	583.3793

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	553.15	553.15	553.15	1,890,198	1,890,198
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>553.15</b>	<b>553.15</b>	<b>553.15</b>	<b>1,890,198</b>	<b>1,890,198</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 Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Other Non-Asphalt Surfaces	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801

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Parking Lot	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive 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	45.6521	45.6521	3.8500e-003	4.7000e-004	45.8876
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	46.8758	46.8758	3.9600e-003	4.8000e-004	47.1176
NaturalGas Mitigated	3.9100e-003	0.0334	0.0142	2.1000e-004		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003	0.0000	38.6741	38.6741	7.4000e-004	7.1000e-004	38.9039
NaturalGas Unmitigated	3.9100e-003	0.0334	0.0142	2.1000e-004		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003	0.0000	38.6741	38.6741	7.4000e-004	7.1000e-004	38.9039

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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 Mid Rise	724725	3.9100e-003	0.0334	0.0142	2.1000e-004		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003	0.0000	38.6741	38.6741	7.4000e-004	7.1000e-004	38.9039
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.9100e-003</b>	<b>0.0334</b>	<b>0.0142</b>	<b>2.1000e-004</b>		<b>2.7000e-003</b>	<b>2.7000e-003</b>		<b>2.7000e-003</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>38.6741</b>	<b>38.6741</b>	<b>7.4000e-004</b>	<b>7.1000e-004</b>	<b>38.9039</b>

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

**5.2 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					
Apartments Mid Rise	724725	3.9100e-003	0.0334	0.0142	2.1000e-004		2.7000e-003	2.7000e-003		2.7000e-003	2.7000e-003	0.0000	38.6741	38.6741	7.4000e-004	7.1000e-004	38.9039
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.9100e-003</b>	<b>0.0334</b>	<b>0.0142</b>	<b>2.1000e-004</b>		<b>2.7000e-003</b>	<b>2.7000e-003</b>		<b>2.7000e-003</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>38.6741</b>	<b>38.6741</b>	<b>7.4000e-004</b>	<b>7.1000e-004</b>	<b>38.9039</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 Mid Rise	249199	44.1943	3.7300e-003	4.5000e-004	44.4223
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	15120	2.6815	2.3000e-004	3.0000e-005	2.6953
<b>Total</b>		<b>46.8758</b>	<b>3.9600e-003</b>	<b>4.8000e-004</b>	<b>47.1176</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**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	242299	42.9706	3.6300e-003	4.4000e-004	43.1923
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	15120	2.6815	2.3000e-004	3.0000e-005	2.6953
<b>Total</b>		<b>45.6521</b>	<b>3.8600e-003</b>	<b>4.7000e-004</b>	<b>45.8876</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 Not Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4429	0.0246	1.0848	1.0900e-003		0.0658	0.0658		0.0658	0.0658	6.9042	14.3662	21.2705	0.0217	4.7000e-004	21.9513
Unmitigated	0.4429	0.0246	1.0848	1.0900e-003		0.0658	0.0658		0.0658	0.0658	6.9042	14.3662	21.2705	0.0217	4.7000e-004	21.9513

**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	0.0168					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1929					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2129	0.0169	0.4132	1.0500e-003		0.0621	0.0621		0.0621	0.0621	6.9042	13.2676	20.1718	0.0206	4.7000e-004	20.8262
Landscaping	0.0203	7.7300e-003	0.6716	4.0000e-005		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	1.0987	1.0987	1.0600e-003	0.0000	1.1251
<b>Total</b>	<b>0.4429</b>	<b>0.0246</b>	<b>1.0848</b>	<b>1.0900e-003</b>		<b>0.0658</b>	<b>0.0658</b>		<b>0.0658</b>	<b>0.0658</b>	<b>6.9042</b>	<b>14.3662</b>	<b>21.2705</b>	<b>0.0217</b>	<b>4.7000e-004</b>	<b>21.9513</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	0.0168					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1929					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.2129	0.0169	0.4132	1.0500e-003		0.0621	0.0621		0.0621	0.0621	6.9042	13.2676	20.1718	0.0206	4.7000e-004	20.8262
Landscaping	0.0203	7.7300e-003	0.6716	4.0000e-005		3.7200e-003	3.7200e-003		3.7200e-003	3.7200e-003	0.0000	1.0987	1.0987	1.0600e-003	0.0000	1.1251
<b>Total</b>	<b>0.4429</b>	<b>0.0246</b>	<b>1.0848</b>	<b>1.0900e-003</b>		<b>0.0658</b>	<b>0.0658</b>		<b>0.0658</b>	<b>0.0658</b>	<b>6.9042</b>	<b>14.3662</b>	<b>21.2705</b>	<b>0.0217</b>	<b>4.7000e-004</b>	<b>21.9513</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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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	14.1590	0.1115	2.7400e-003	17.7633
Unmitigated	16.3837	0.1393	3.4100e-003	20.8822

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	4.23501 / 2.6699	16.3837	0.1393	3.4100e-003	20.8822
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>16.3837</b>	<b>0.1393</b>	<b>3.4100e-003</b>	<b>20.8822</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 Mid Rise	3.38801 / 2.6699	14.1590	0.1115	2.7400e-003	17.7633
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>14.1590</b>	<b>0.1115</b>	<b>2.7400e-003</b>	<b>17.7633</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	3.0347	0.1794	0.0000	7.5184
Unmitigated	6.0694	0.3587	0.0000	15.0368

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	29.9	6.0694	0.3587	0.0000	15.0368
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>6.0694</b>	<b>0.3587</b>	<b>0.0000</b>	<b>15.0368</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 Mid Rise	14.95	3.0347	0.1794	0.0000	7.5184
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.0347</b>	<b>0.1794</b>	<b>0.0000</b>	<b>7.5184</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 Not Applied**

**11.0 Vegetation**

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**Pointe Common Affordable Housing Project  
Energy Calculations**

Land Use	Natural Gas Use		Electricity Use	
	(kBTU/yr)	(Therms)	(kWh/yr)	(MWh/yr)
Apartments Mid Rise	724,725	7,247	242,299	242
Other Non-Asphalt Surfaces	0	0	0	0
Parking Lot	0	0	15,120	15
<b>Totals</b>	<b>724,725</b>	<b>7,247</b>	<b>257,419</b>	<b>257</b>

1 kBTU = 0.01 therms

Energy Type	Project Annual Energy Consumption	Orange County Annual Energy Consumption (2021)	Percentage Increase Countywide
Electricity (MWh)	257	18,931,839	0.0014%
Natural Gas (Therms)	7,247	580,187,556	0.0012%

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

**Pointe Common Affordable Housing Project  
Energy Calculations**

Vehicle Type	Percent of Vehicle Trips <sup>1</sup>	Daily Trips <sup>2</sup>	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon) <sup>3</sup>	Total Annual Fuel Consumption (gallons) <sup>4</sup>
Passenger Cars	0.55	303	1,034,795	22	47,036
Light/Medium Trucks	0.37	206	702,600	17.3	40,613
Heavy Trucks/Other	0.08	45	152,802	6.4	23,875
<b>TOTAL<sup>6</sup></b>	<b>1.00</b>	<b>553</b>	<b>1,890,198</b>	<b>--</b>	<b>111,524</b>

County On-Road  
2025  
1,199,092,373  
0.0093%

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips taken from ITE manual.
3. Average fuel economy derived from the Department of Transportation.
4. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
5. Values may be slightly off due to rounding.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

**Pointe Common Affordable Housing Project  
Energy Calculations**

<b>WORKER TRIPS</b>						
<b>Phase</b>	<b>Phase Length (# days)</b>	<b># Worker Trips</b>	<b>Worker Trip Length</b>	<b>Total VMT</b>	<b>Fuel Consumption Factor (Miles/Gallon/Day)</b>	<b>Total Fuel Consumption</b>
Demolition	5	13	14.7	956		38.37
Grading	22	10	14.7	3234		129.86
Building Construction	436	82	14.7	525554	<b>24.90284233</b>	21104.19
Paving	23	16	14.7	5410		217.23
Architectural Coating	22	15	14.7	4851		194.80
						<b>21684.45</b>
<b>VENDOR TRIPS</b>						
<b>Phase</b>	<b>Phase Length (# days)</b>	<b># Vendor Trips</b>	<b>Vendor Trip Length</b>	<b>Total VMT</b>	<b>Fuel Consumption Factor (Miles/Gallon/Day)</b>	<b>Total Fuel Consumption</b>
Demolition	5	0	6.9	0		0.00
Grading	22	0	6.9	0		0.00
Building Construction	436	21	6.9	145	<b>8.343886151</b>	17.37
Paving	23	0	6.9	0		0.00
Architectural Coating	22	0	6.9	0		0.00
						<b>17.37</b>
<b>HAULING TRIPS</b>						
<b>Phase</b>	<b>Phase Length (# days)</b>	<b># Hauling Trips</b>	<b>Hauling Trip Length</b>	<b>Total VMT</b>	<b>Fuel Consumption Factor (Miles/Gallon/Day)<sup>1</sup></b>	<b>Total Fuel Consumption</b>
Demolition	5	0	20	0		0.00
Grading	22	25	20	500		59.92
	436	0	20	0	<b>8.343886151</b>	0.00
Paving	23	0	20	0		0.00
Architectural Coating	22	0	20	0		0.00
						<b>59.92</b>
<b>TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION</b>						<b>21,761.74</b>

**Pointe Common Affordable Housing Project  
Energy Calculations**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Demolition	Concrete/Industrial Saws	1	8	81	0.73	2.3652	8	55	1040.69
Demolition	Rubber Tired Dozers	1	8	247	0.4	98.8	8	55	43472.00
Demolition	Tractors/Loaders/Backhoes	3	8	97	0.37	35.89	24	55	47374.80
Grading	Graders	1	8	187	0.41	3.0668	8	43	1054.98
Grading	Rubber Tired Dozers	1	8	247	0.4	3.952	8	43	1359.49
Grading	Tractors/Loaders/Backhoes	2	7	97	0.37	1.4356	14	43	864.23
Building Construction	Cranes	1	8	231	0.29	2.6796	8	325	6966.96
Building Construction	Forklifts	2	7	89	0.20	0.712	14	325	3239.60
Building Construction	Generator Sets	1	8	84	0.74	2.4864	8	325	6464.64
Building Construction	Tractors/Loaders/Backhoes	1	6	97	0.37	1.4356	6	325	2799.42
Building Construction	Welders	3	8	46	0.45	0.828	24	325	6458.40
Paving	Cement and Mortar Mixers	1	8	9	0.56	0.2016	8	43	69.35
Paving	Pavers	1	8	130	0.42	2.184	8	43	751.30
Paving	Paving Equipment	1	8	132	0.36	1.9008	8	43	653.88
Paving	Rollers	2	8	80	0.38	1.216	16	43	836.61
Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	43	493.85
Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	66	593.05
								Total:	124,493
Notes:								Off-Site Mobile Construction Total:	21,762
Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor								<b>TOTAL:</b>	<b>146,255</b>
Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.									
Source: Refer to CalEEMod outputs for assumptions used in this analysis.									