

Appendix C

Air Quality and Greenhouse Gas Emissions Technical Data

Assumptions

Montclair General Plan Update Assumptions

The analysis consists of an update to an existing approved project.
Notes: CalEEMod has been updated from the the previous analysis.

CalEEMod Inputs that are not modeling defaults:

Project Location	County
	San Bernardino - SCAQMD
Climate Zone	10
Operational Year (Buildout)	2040
Construction Year	2022
Utility Company	Southern California Edison

Project Comparison

	Existing	Growth	Total	
Site Area	4,134 AC	0 AC	4,134 AC	
#Units	11,200 units	7,580 units	18,780 units	100% Mid-rise Apartments
Non-Residential	57,950,000 sf	2,500,000 sf	60,450,000 sf	
General Office	350,000 sf	600,000 sf	950,000 sf	
Industrial/Flex	53,000,000 sf	1,900,000 sf	54,900,000 sf	
Retail	4,600,000 sf	0 sf	4,600,000 sf	
Hotel	103 rooms	300 rooms	403 rooms	

Notes

1. - Percentage of residential growth associated with single family and multi-family residential units is based on the percentage of residential units for general plan capacity. At GP capacity, 12,045 units are associated with residential low and residential medium land use designations. This was used to represent single family homes and is 12 percent of the total dwelling unit capacity. Mixed-use neighborhood, mixed-use commerce, and mixed-use core represent the remaining 88 percent at 89,308 units for capacity.

2. - Retail growth is assumed to take the place of office or industrial/flex and therefore is not modeled separately.

Project Details

	Existing	Proposed	Growth
Population	37900	42,700	4,800
Employment	17400	19,000	1,600
Service Population	55300	61700	6400

Source: DEIR Population and Housing Section: Table 4.14-5

**Montclair General Plan Update
Assumptions**

Construction Assumptions

General Plan buildout is assumed over approximately 20 years. Modeling conservatively assumes 15 years of construction to complete the Project Demand. Therefore, all land uses are divided by 15 to estimate the average annual construction activities given a conservative construction schedule. Construction assumed to start in January 2022 to conservatively estimate construction emissions. As construction years move further into the future, equipment will be more efficient and have lower emission rates, therefore analyzing 2022 represents a conservative estimate of annual construction emissions. Hotel use set to 50 rooms as that is more realistic of a small hotel than 20 rooms. Lot acreage for all land uses and square feet for residential based on CalEEMod defaults for the land use size.

Annual Construction:

#Units	506 units	1 project
Non-Residential	166,667 sf	
General Office	40,000 sf	1 project
Industrial/Flex	126,667 sf	1 project
Hotel	50 rooms	1 project

Construction Schedule:

	Residential				General Office			
	# Days (Default)	# Days	Start	End	# Days (Default)	# Days	Start	End
Demolition:	20	15	1/1/2022	1/21/2022	20	23	1/1/2022	2/2/2022
Grading:	30	22	1/22/2022	2/22/2022	4	5	2/3/2022	2/9/2022
Building Construction:	300	223	2/23/2022	12/30/2022	200	232	2/10/2022	12/30/2022
Paving:	20	15	2/23/2022	3/15/2022	10	12	2/10/2022	2/25/2022
Architectural Coating:	20	15	2/23/2022	3/15/2022	10	12	2/10/2022	2/25/2022
	350	260			224	260		

	Industrial/Flex/Retail				Hotel			
	# Days (Default)	# Days	Start	End	# Days (Default)	# Days	Start	End
Demolition:	20	21	1/1/2022	1/31/2022	10	21	1/1/2022	2/2/2022
Grading:	6	6	2/1/2022	2/8/2022	2	4	2/3/2022	2/9/2022
Building Construction:	220	233	2/9/2022	12/30/2022	100	213	2/10/2022	12/30/2022
Paving:	10	11	2/9/2022	2/23/2022	5	5	2/10/2022	2/25/2022
Architectural Coating:	10	11	2/9/2022	2/23/2022	5	5	2/10/2022	2/5/2022
	246	260			122	260		

Defaults use for all other construction sources.

**Montclair General Plan Update
Assumptions**

Operational Assumptions
Transportation

Project Traffic impact analysis does not provide trip rates. However, the TIA indicates the following Daily VMT Rates:

	VMT (Daily)	VMT (Annual)	Default	VMT % Default
Existing	2,011,538	734,211,370	1.276E+09	0.575278566
Future (No GP)	2,429,638	886,817,870		
Future (With GP)	3,304,982	1,206,318,430	1.452E+09	0.830533674
Growth	875,344	319,500,560	176190760	1.813378636

CalEEMod Default Trip lengths were adjusted to result in VMT consistent with the TIA.

Revisions

	Default Miles			Revised		
	H-W	H-S	H-O	H-W	H-S	H-O
Existing						
Residential	14.7	5.9	8.7	8.45	3.39	5.00
Non-Residential	16.6	8.4	6.9			
				9.55	4.83	3.97
Buildout						
Residential	14.7	5.9	8.7	12.21	4.90	7.23
Non-Residential	16.6	8.4	6.9			
				13.79	6.98	5.73
Growth						
Residential	14.7	5.9	8.7	26.67	10.70	15.78
Non-Residential	16.6	8.4	6.9			
				30.10	15.23	12.51

**Montclair General Plan Update
Assumptions**

Area

Default Values used, revised fireplaces for Growth only to remove wood fireplace use as that is not allowed under SCAQMD regulations. Existing assumes default hearth usage. Buildout assumes Existing values are the same and Growth is all non-wood burning.

	Existing		Buildout				Growth No	
	SFR	Apt	SFR	Default Apt	%D	Growth	Wood	Adj Apt
Gas Fireplaces	5,490.16	4,029.39	5,490.16	10,472.85	0.89	6,443.47	6782.57	10,811.96
No Fireplace	645.90	474.10	645.90	1,232.10	0.11	758.00	797.89	1,271.99
Wood	322.95	237.05	322.95	616.05		379.00		237.05
Total Units	6,459.01	4,740.54	6,459.01	12,321.00		7,580.47		12,321.00
	6,459.00	4,741.00	6,459.00	12,321.00				12,321.00

Energy Use

Electricity Provider

SCE

Proposed to use Default Values

	Existing	Proposed
Title 24 Compliance	2016	2019

**Montclair General Plan Update
Assumptions**

Water Use

Water demand factor			Units	Total Water Use	Total gal/yr		
			Existing		Indoor	Outdoor	
Residential	gpd/DU	576	11,200	6,451,200	1,103,760,000.00	1,250,928,000.00	
Hotel	gpd/Room	288	103	29,664	7,180,645.00	3,646,715.00	
Office	GPD/acre	3168	8	25,455	2,346,189.16	6,944,719.93	
Industrial/Flex	gpd/acre	3168	99	312,727	43,236,914.60	70,908,539.94	
Retail	gpd/acre	288	1,027	295,776	107,924,660.00	33,580.00	7,114,822
			Growth				
Residential	gpd/DU	576	7,580	4,366,080	747,009,000.00	846,610,200.00	
Hotel	gpd/Room	288	300	86,400	20,914,500.00	10,621,500.00	
Office	GPD/acre	3168	14	43,636	4,022,038.57	11,905,234.16	
Industrial/Flex	gpd/acre	3168	44	138,182	19,104,683.20	31,331,680.44	
Retail	gpd/acre	288	0	0	0.00	0.00	4,634,298
			Buildout				
Residential	gpd/DU	576	18,780	10,817,280	1,850,769,000.00	2,097,538,200.00	
Hotel	gpd/Room	288	403	116,064	28,095,145.00	14,268,215.00	
Office	GPD/acre	3168	22	69,091	6,368,227.73	18,849,954.09	
Industrial/Flex	gpd/acre	3168	142	450,909	62,341,597.80	102,240,220.39	
Retail	gpd/acre	288	1,027	295,684	107,924,660.00	0.00	11,749,028

Source: DEIR Utilities Section Table 4.19-6:

**Montclair General Plan Update
Assumptions**

Wastewater

Revised in updated analysis to remove emissions from septic.

Septic	Aerobic	Lagoons
10.33	87.46	2.21
	0.98	
	10.1234	0.2066
	97.58	2.42
		100

	Wastewater		Units	Total Water Use		Total Gal/yr
			Existing			
Residential	gpd/DU	270	11,200	3,024,000		1,103,760,000.00
Hotel	gpd/Room	191	103	19,673		7,180,645.00
Office	GPD/acre	800	8	6,428		2,346,189.16
Industrial/Flex	gpd/acre	1200	99	118,457		43,236,914.60
Retail	gpd/acre	2800	1,027	295,684		107,924,660.00
						3,464,242
			Growth			
Residential	gpd/DU	270	7,580	2,046,600		747,009,000.00
Hotel	gpd/Room	191	300	57,300		20,914,500.00
Office	GPD/acre	800	14	11,019		4,022,038.57
Industrial/Flex	gpd/acre	1200	44	52,342		19,104,683.20
Retail	gpd/acre	2800	0	0		0.00
						2,167,261
			Total			
Residential	gpd/DU	270	18,780	5,070,600		1,850,769,000.00
Hotel	gpd/Room	191	403	76,973		28,095,145.00
Office	GPD/acre	800	22	17,447		6,368,227.73
Industrial/Flex	gpd/acre	1200	142	170,799		62,341,597.80
Retail	gpd/acre	2800	1,027	295,684		107,924,660.00
						5,631,503

Source: DEIR Utilities Section Table 4.19-7:

**Montclair General Plan Update
Assumptions**

Solid Waste

	Wastewater		Units	Total Solid Wast (lbs/day)	Total (tons/yr)
			Existing		
Residential ^{1,2}	lbs/day/unit	4	4,741	18,964	3460.93
	lbs/day/unit	12.23	6,459	78,994	14416.32653
Hotel					56.39
Office					325.5
Industrial/Flex					65720
Retail					4,830
			Growth		
Residential ¹	lbs/day/unit	4	7,580	30,320	5533.4
Hotel					164.25
Office					558
Industrial/Flex					2356
Retail					0
			Total		
Residential ¹	lbs/day/unit	4	12,321	49,284	8994.33
	lbs/day/unit	12.23	6,459	78,994	14416.32653
Hotel					220.64
Office					883.5
Industrial/Flex					68076
Retail					4830

Source: ¹ *DEIR Utilities Section Impact U-2: 4 lbs/unit/day multi-family, 12.23 lbs/unit/day single family*

Source: ² *DEIR Population and Housing Section: Table 4.14-3*

Source: *CalEEMod Default*

Construction

Montclair General Plan Update Unmitigated Construction Summary

Unmitigated Regional Daily Construction Emissions

Emissions Source	Estimated Emissions (lbs/day)					
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Hotel	59	21	26	<1	3	2
Industrial	110	27	31	<1	4	2
Office	76	15	18	<1	3	2
Residential	216	42	52	<1	14	4
Minimum Daily (Assumes 1 Project)	59	15	18	<1	3	2
Maximum Daily (Assumes 1 Projectts)	216	42	52	<1	14	4
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	Yes	No	No	<1	No	No

Unmitigated Regional Daily Construction Emissions

Emissions Source	Estimated Emissions (lbs/day)				
	NO _x	CO	PM ₁₀	PM _{2.5}	acre
Hotel	21	23	3	2	1.67
Industrial	25	28	3	2	2.91
Office	14	16	3	2	0.91
Residential	26	33	12	3	13.2

Montclair General Plan Update Mitigated Construction Summary

Mitigated Regional Daily Construction Emissions

Emissions Source	Estimated Emissions (lbs/day)					
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Hotel	57	3	18	<1	3	1
Industrial	72	5	25	<1	3	2
Office	68	2	18	<1	2	1
Residential	72	42	52	<1	14	4
Minimum Daily (Assumes 1 Project)	57	2	18	<1	2	1
Maximum Daily (Assumes 1 Projects)	72	42	52	<1	14	4
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	No	No	No	<1	No	No

Mitigated Regional Daily Construction Emissions

Emissions Source	Estimated Emissions (lbs/day)			
	NO _x	CO	PM ₁₀	PM _{2.5}
Hotel	1	16	3	1
Industrial	1	21	3	1
Office	1	16	2	1
Residential	26	33	12	3

Montclair General Plan Update
Unmitigated Hotel
Winter

Unmitigated Hotel

Max Daily

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Onsite	58.6244	20.6854	23.346	0.03857	2.5455	1.018	3.2878	1.2604	0.9711	1.9433
Offsite	0.2285	0.6898	2.2116	0.0073	0.1118	0.00914	0.1124	0.0296	0.00864	0.0302
Max Daily	58.8529	21.3752	25.5576	0.04587	2.6573	1.02714	3.4002	1.29	0.97974	1.9735

Max Daily

Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	1.7938	18.7116	14.9221	0.03376	1.5478	0.85926	2.407	0.2817	0.8033	1.085
Onsite	1.6889	16.6217	13.9605	0.0241	1.1512	0.8379	1.9891	0.1743	0.7829	0.9572
Offsite	0.1049	2.0899	0.9616	0.00966	0.3966	0.02136	0.4179	0.1074	0.0204	0.1278
Grading	1.581	17.0118	9.5586	0.02153	2.6573	0.74289	3.4002	1.29	0.68344	1.9735
Onsite	1.5403	16.9836	9.2202	0.0206	2.5455	0.7423	3.2878	1.2604	0.6829	1.9433
Offsite	0.0407	0.0282	0.3384	0.00093	0.1118	0.00059	0.1124	0.0296	0.00054	0.0302
Building Const	1.7909	13.1393	13.9412	0.02714	0.4122	0.59693	1.0092	0.111	0.57652	0.6876
Onsite	1.6487	12.5031	12.7264	0.0221	0	0.5889	0.5889	0	0.5689	0.5689
Offsite	0.1422	0.6362	1.2148	0.00504	0.4122	0.00803	0.4203	0.111	0.00762	0.1187
Paving	0.7406	6.8105	9.2459	0.01471	0.1453	0.34816	0.4935	0.0385	0.3212	0.3597
Onsite	0.6877	6.7738	8.806	0.0135	0	0.3474	0.3474	0	0.3205	0.3205
Offsite	0.0529	0.0367	0.4399	0.00121	0.1453	0.00076	0.1461	0.0385	0.0007	0.0392
Architectural Coat	56.3124	1.4254	2.0166	0.00353	0.0671	0.08205	0.1491	0.0178	0.08202	0.0998
Onsite	56.288	1.4085	1.8136	0.00297	0	0.0817	0.0817	0	0.0817	0.0817
Offsite	0.0244	0.0169	0.203	0.00056	0.0671	0.00035	0.0674	0.0178	0.00032	0.0181
Max Daily (lbs/day)										
Onsite	58.6244	20.6854	23.346	0.03857	2.5455	1.018	3.2878	1.2604	0.9711	1.9433
Offsite	0.2195	0.6898	1.8577	0.00681	0.1118	0.00914	0.1124	0.0296	0.00864	0.0302
Max Daily	58.8439	21.3752	25.2037	0.04538	2.6573	1.02714	3.4002	1.29	0.97974	1.9735

**Montclair General Plan Update
Unmitigated Hotel
Winter**

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					1.1512	0	1.1512	0.1743	0	0.1743
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829
Hauling	0.052	2.0532	0.5217	8.45E-03	0.2513	0.0206	0.2718	0.0689	0.0197	0.0886
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0529	0.0367	0.4399	1.21E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	1.7938	18.7116	14.9221	0.03376	1.5478	0.85926	2.407	0.2817	0.8033	1.085

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					2.5455	0	2.5455	1.2604	0	1.2604
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0407	0.0282	0.3384	9.30E-04	0.1118	5.90E-04	0.1124	0.0296	5.40E-04	0.0302
Total	1.581	17.0118	9.5586	0.02153	2.6573	0.74289	3.4002	1.29	0.68344	1.9735

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0201	0.5516	0.1996	2.24E-03	0.0769	6.27E-03	0.0832	0.0221	6.00E-03	0.0281
Worker	0.1221	0.0846	1.0152	2.80E-03	0.3353	1.76E-03	0.3371	0.0889	1.62E-03	0.0906
Total	1.7909	13.1393	13.9412	0.02714	0.4122	0.59693	1.0092	0.111	0.57652	0.6876

**Montclair General Plan Update
Unmitigated Hotel
Winter**

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.6877	6.7738	8.806	0.0135		0.3474	0.3474		0.3205	0.3205
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0529	0.0367	0.4399	1.21E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	0.7406	6.8105	9.2459	0.01471	0.1453	0.34816	0.4935	0.0385	0.3212	0.3597

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	56.0835					0	0		0	0
Off-Road	0.2045	1.4085	1.8136	2.97E-03		0.0817	0.0817		0.0817	0.0817
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0244	0.0169	0.203	5.60E-04	0.0671	3.50E-04	0.0674	0.0178	3.20E-04	0.0181
Total	56.3124	1.4254	2.0166	0.00353	0.0671	0.08205	0.1491	0.0178	0.08202	0.0998

Montclair General Plan Update
Unmitigated Hotel
Summer

Max Daily Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	1.7983	18.6121	15.0063	0.03388	1.5478	0.85916	2.407	0.2817	0.8033	1.085
Onsite	1.6889	16.6217	13.9605	0.0241	1.1512	0.8379	1.9891	0.1743	0.7829	0.9572
Offsite	0.1094	1.9904	1.0458	0.00978	0.3966	0.02126	0.4179	0.1074	0.0204	0.1278
Grading	1.5827	17.0104	9.6322	0.02163	2.6573	0.74289	3.4002	1.29	0.68344	1.9735
Onsite	1.5403	16.9836	9.2202	0.0206	2.5455	0.7423	3.2878	1.2604	0.6829	1.9433
Offsite	0.0424	0.0268	0.412	0.00103	0.1118	0.00059	0.1124	0.0296	0.00054	0.0302
Building Const	1.7967	13.1091	14.1552	0.02744	0.4122	0.59691	1.0091	0.111	0.5765	0.6876
Onsite	1.6487	12.5031	12.7264	0.0221	0	0.5889	0.5889	0	0.5689	0.5689
Offsite	0.148	0.606	1.4288	0.00534	0.4122	0.00801	0.4202	0.111	0.0076	0.1187
Paving	0.7428	6.8087	9.3416	0.01484	0.1453	0.34816	0.4935	0.0385	0.3212	0.3597
Onsite	0.6877	6.7738	8.806	0.0135	0	0.3474	0.3474	0	0.3205	0.3205
Offsite	0.0551	0.0349	0.5356	0.00134	0.1453	0.00076	0.1461	0.0385	0.0007	0.0392
Architectural Coat	56.3134	1.4246	2.0608	0.00359	0.0671	0.08205	0.1491	0.0178	0.08202	0.0998
Onsite	56.288	1.4085	1.8136	0.00297	0	0.0817	0.0817	0	0.0817	0.0817
Offsite	0.0254	0.0161	0.2472	0.00062	0.0671	0.00035	0.0674	0.0178	0.00032	0.0181
Max Daily (lbs/day)										
Onsite	58.6244	20.6854	23.346	0.03857	2.5455	1.018	3.2878	1.2604	0.9711	1.9433
Offsite	0.2285	0.657	2.2116	0.0073	0.1118	0.00912	0.1124	0.0296	0.00862	0.0302
Max Daily	58.8529	21.3424	25.5576	0.04587	2.6573	1.02712	3.4002	1.29	0.97972	1.9735

Montclair General Plan Update
Unmitigated Hotel
Summer

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					1.1512	0	1.1512	0.1743	0	0.1743
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829
Hauling	0.0543	1.9555	0.5102	8.44E-03	0.2513	0.0205	0.2718	0.0689	0.0197	0.0886
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0551	0.0349	0.5356	1.34E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	1.7983	18.6121	15.0063	0.03388	1.5478	0.85916	2.407	0.2817	0.8033	1.085

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					2.5455	0	2.5455	1.2604	0	1.2604
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0424	0.0268	0.412	1.03E-03	0.1118	5.90E-04	0.1124	0.0296	5.40E-04	0.0302
Total	1.5827	17.0104	9.6322	0.02163	2.6573	0.74289	3.4002	1.29	0.68344	1.9735

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0209	0.5255	0.1929	2.24E-03	0.0769	6.25E-03	0.0831	0.0221	5.98E-03	0.0281
Worker	0.1271	0.0805	1.2359	3.10E-03	0.3353	1.76E-03	0.3371	0.0889	1.62E-03	0.0906
Total	1.7967	13.1091	14.1552	0.02744	0.4122	0.59691	1.0091	0.111	0.5765	0.6876

**Montclair General Plan Update
Unmitigated Hotel
Summer**

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.6877	6.7738	8.806	0.0135		0.3474	0.3474		0.3205	0.3205
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0551	0.0349	0.5356	1.34E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	0.7428	6.8087	9.3416	0.01484	0.1453	0.34816	0.4935	0.0385	0.3212	0.3597

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust	56.0835					0	0		0	0
Off-Road	0.2045	1.4085	1.8136	2.97E-03		0.0817	0.0817		0.0817	0.0817
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0254	0.0161	0.2472	6.20E-04	0.0671	3.50E-04	0.0674	0.0178	3.20E-04	0.0181
Total	56.3134	1.4246	2.0608	0.00359	0.0671	0.08205	0.1491	0.0178	0.08202	0.0998

Montclair General Plan Update
Mitigated Hotel
Winter

Mitigated Hotel

Max Daily

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Onsite	56.3688	1.2179	16.2608	0.0241	2.5455	0.0375	2.5791	1.2604	0.0375	1.294
Offsite	0.2285	2.0899	2.2116	0.00978	0.1118	0.02136	0.1124	0.0296	0.0204	0.0302
Max Daily	56.5973	3.3078	18.4724	0.03388	2.6573	0.05886	2.6915	1.29	0.0579	1.3242

Max Daily

Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	0.386	3.3078	15.68	0.03376	1.5478	0.05886	1.6066	0.2817	0.0579	0.3396
Onsite	0.2811	1.2179	14.7184	0.0241	1.1512	0.0375	1.1887	0.1743	0.0375	0.2118
Offsite	0.1049	2.0899	0.9616	0.00966	0.3966	0.02136	0.4179	0.1074	0.0204	0.1278
Grading	0.2929	1.1209	11.2455	0.02153	2.6573	0.03419	2.6915	1.29	0.03414	1.3242
Onsite	0.2522	1.0927	10.9071	0.0206	2.5455	0.0336	2.5791	1.2604	0.0336	1.294
Offsite	0.0407	0.0282	0.3384	0.00093	0.1118	0.00059	0.1124	0.0296	0.00054	0.0302
Building Const	0.238	1.0512	5.792	0.01285	0.4122	0.02083	0.4331	0.111	0.02042	0.1315
Onsite	0.0958	0.415	4.5772	0.00781	0	0.0128	0.0128	0	0.0128	0.0128
Offsite	0.1422	0.6362	1.2148	0.00504	0.4122	0.00803	0.4203	0.111	0.00762	0.1187
Paving	0.2127	0.7289	10.2911	0.01471	0.1453	0.02206	0.1674	0.0385	0.022	0.0605
Onsite	0.1598	0.6922	9.8512	0.0135	0	0.0213	0.0213	0	0.0213	0.0213
Offsite	0.0529	0.0367	0.4399	0.00121	0.1453	0.00076	0.1461	0.0385	0.0007	0.0392
Architectural Coat	56.1376	0.1457	2.0354	0.00353	0.0671	0.00431	0.07136	0.0178	0.00428	0.02206
Onsite	56.1132	0.1288	1.8324	0.00297	0	0.00396	0.00396	0	0.00396	0.00396
Offsite	0.0244	0.0169	0.203	0.00056	0.0671	0.00035	0.0674	0.0178	0.00032	0.0181
Max Daily (lbs/day)										
Onsite	56.3688	1.2179	16.2608	0.0241	2.5455	0.0375	2.5791	1.2604	0.0375	1.294
Offsite	0.2195	2.0899	1.8577	0.00966	0.1118	0.02136	0.1124	0.0296	0.0204	0.0302
Max Daily	56.5883	3.3078	18.1185	0.03376	2.6573	0.05886	2.6915	1.29	0.0579	1.3242

Montclair General Plan Update
Mitigated Hotel
Winter

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					1.1512	0	1.1512	0.1743	0	0.1743
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375
Hauling	0.052	2.0532	0.5217	8.45E-03	0.2513	0.0206	0.2718	0.0689	0.0197	0.0886
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0529	0.0367	0.4399	1.21E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	0.386	3.3078	15.68	0.03376	1.5478	0.05886	1.6066	0.2817	0.0579	0.3396

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					2.5455	0	2.5455	1.2604	0	1.2604
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0407	0.0282	0.3384	9.30E-04	0.1118	5.90E-04	0.1124	0.0296	5.40E-04	0.0302
Total	0.2929	1.1209	11.2455	0.02153	2.6573	0.03419	2.6915	1.29	0.03414	1.3242

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	0.0958	0.415	4.5772	7.81E-03		0.0128	0.0128		0.0128	0.0128
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0201	0.5516	0.1996	2.24E-03	0.0769	6.27E-03	0.0832	0.0221	6.00E-03	0.0281
Worker	0.1221	0.0846	1.0152	2.80E-03	0.3353	1.76E-03	0.3371	0.0889	1.62E-03	0.0906
Total	0.238	1.0512	5.792	0.01285	0.4122	0.02083	0.4331	0.111	0.02042	0.1315

Montclair General Plan Update
Mitigated Hotel
Winter

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0529	0.0367	0.4399	1.21E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	0.2127	0.7289	10.2911	0.01471	0.1453	0.02206	0.1674	0.0385	0.022	0.0605

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	56.0835					0	0		0	0
Off-Road	0.0297	0.1288	1.8324	2.97E-03		3.96E-03	3.96E-03		3.96E-03	3.96E-03
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0244	0.0169	0.203	5.60E-04	0.0671	3.50E-04	0.0674	0.0178	3.20E-04	0.0181
Total	56.1376	0.1457	2.0354	0.00353	0.0671	0.00431	0.07136	0.0178	0.00428	0.02206

Montclair General Plan Update
Mitigated Hotel
Summer

Max Daily **Summer**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	0.3905	3.2083	15.7642	0.03388	1.5478	0.05876	1.6066	0.2817	0.0579	0.3396
Onsite	0.2811	1.2179	14.7184	0.0241	1.1512	0.0375	1.1887	0.1743	0.0375	0.2118
Offsite	0.1094	1.9904	1.0458	0.00978	0.3966	0.02126	0.4179	0.1074	0.0204	0.1278
Grading	0.2946	1.1195	11.3191	0.02163	2.6573	0.03419	2.6915	1.29	0.03414	1.3242
Onsite	0.2522	1.0927	10.9071	0.0206	2.5455	0.0336	2.5791	1.2604	0.0336	1.294
Offsite	0.0424	0.0268	0.412	0.00103	0.1118	0.00059	0.1124	0.0296	0.00054	0.0302
Building Const	0.2438	1.021	6.006	0.01315	0.4122	0.02081	0.433	0.111	0.0204	0.1315
Onsite	0.0958	0.415	4.5772	0.00781	0	0.0128	0.0128	0	0.0128	0.0128
Offsite	0.148	0.606	1.4288	0.00534	0.4122	0.00801	0.4202	0.111	0.0076	0.1187
Paving	0.2149	0.7271	10.3868	0.01484	0.1453	0.02206	0.1674	0.0385	0.022	0.0605
Onsite	0.1598	0.6922	9.8512	0.0135	0	0.0213	0.0213	0	0.0213	0.0213
Offsite	0.0551	0.0349	0.5356	0.00134	0.1453	0.00076	0.1461	0.0385	0.0007	0.0392
Architectural Coat	56.1386	0.1449	2.0796	0.00359	0.0671	0.00431	0.07136	0.0178	0.00428	0.02206
Onsite	56.1132	0.1288	1.8324	0.00297	0	0.00396	0.00396	0	0.00396	0.00396
Offsite	0.0254	0.0161	0.2472	0.00062	0.0671	0.00035	0.0674	0.0178	0.00032	0.0181
	Max Daily (lbs/day)									
Onsite	56.3688	1.2179	16.2608	0.0241	2.5455	0.0375	2.5791	1.2604	0.0375	1.294
Offsite	0.2285	1.9904	2.2116	0.00978	0.1118	0.02126	0.1124	0.0296	0.0204	0.0302
Max Daily	56.5973	3.2083	18.4724	0.03388	2.6573	0.05876	2.6915	1.29	0.0579	1.3242

Montclair General Plan Update

Mitigated Hotel

Summer

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					1.1512	0	1.1512	0.1743	0	0.1743
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375
Hauling	0.0543	1.9555	0.5102	8.44E-03	0.2513	0.0205	0.2718	0.0689	0.0197	0.0886
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0551	0.0349	0.5356	1.34E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	0.3905	3.2083	15.7642	0.03388	1.5478	0.05876	1.6066	0.2817	0.0579	0.3396

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					2.5455	0	2.5455	1.2604	0	1.2604
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0424	0.0268	0.412	1.03E-03	0.1118	5.90E-04	0.1124	0.0296	5.40E-04	0.0302
Total	0.2946	1.1195	11.3191	0.02163	2.6573	0.03419	2.6915	1.29	0.03414	1.3242

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	0.0958	0.415	4.5772	7.81E-03		0.0128	0.0128		0.0128	0.0128
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0209	0.5255	0.1929	2.24E-03	0.0769	6.25E-03	0.0831	0.0221	5.98E-03	0.0281
Worker	0.1271	0.0805	1.2359	3.10E-03	0.3353	1.76E-03	0.3371	0.0889	1.62E-03	0.0906
Total	0.2438	1.021	6.006	0.01315	0.4122	0.02081	0.433	0.111	0.0204	0.1315

Montclair General Plan Update
Mitigated Hotel
Summer

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0551	0.0349	0.5356	1.34E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	0.2149	0.7271	10.3868	0.01484	0.1453	0.02206	0.1674	0.0385	0.022	0.0605

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	56.0835					0	0		0	0
Off-Road	0.0297	0.1288	1.8324	2.97E-03		3.96E-03	3.96E-03		3.96E-03	3.96E-03
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0254	0.0161	0.2472	6.20E-04	0.0671	3.50E-04	0.0674	0.0178	3.20E-04	0.0181
Total	56.1386	0.1449	2.0796	0.00359	0.0671	0.00431	0.07136	0.0178	0.00428	0.02206

Montclair General Plan Update
Unmitigated Residential
Winter

Unmitigated Residential

Max Daily

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Onsite	214.0914	25.7194	32.7575	0.05267	10.6325	1.6349	11.8752	1.6099	1.5041	2.7652
Offsite	2.0078	16.4893	19.4624	0.05678	2.1805	0.00117	2.3461	0.5964	0.00108	0.7549
Max Daily	216.0992	42.2087	52.2199	0.10945	12.813	1.63607	14.2213	2.2063	1.50518	3.5201

Max Daily

Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	3.1169	42.2087	25.2804	0.1079	12.813	1.40838	14.2213	2.2063	1.31381	3.5201
Onsite	2.6392	25.7194	20.5941	0.0388	10.6325	1.2427	11.8752	1.6099	1.1553	2.7652
Offsite	0.4777	16.4893	4.6863	0.0691	2.1805	0.16568	2.3461	0.5964	0.15851	0.7549
Grading	3.7061	38.8999	29.7174	0.06397	4.6527	1.63607	6.2887	1.6747	1.50518	3.1799
Onsite	3.6248	38.8435	29.0415	0.0621	4.4291	1.6349	6.064	1.6154	1.5041	3.1195
Offsite	0.0813	0.0564	0.6759	0.00187	0.2236	0.00117	0.2247	0.0593	0.00108	0.0604
Building Const	3.2771	19.1246	29.5623	0.071	4.4147	0.8585	5.2732	1.1786	0.8078	1.9865
Onsite	1.7062	15.6156	16.3634	0.0269	0	0.809	0.809	0	0.7612	0.7612
Offsite	1.5709	3.509	13.1989	0.0441	4.4147	0.0495	4.4642	1.1786	0.0466	1.2253
Paving	1.1638	11.1672	15.0874	0.0242	0.1677	0.56878	0.7364	0.0445	0.52331	0.5678
Onsite	1.1028	11.1249	14.5805	0.0228	0	0.5679	0.5679	0	0.5225	0.5225
Offsite	0.061	0.0423	0.5069	0.0014	0.1677	0.00088	0.1685	0.0445	0.00081	0.0453
Architectural Coat	211.5793	1.6144	4.2805	0.00979	0.816	0.08598	0.9019	0.2164	0.08564	0.302
Onsite	211.2824	1.4085	1.8136	0.00297	0	0.0817	0.0817	0	0.0817	0.0817
Offsite	0.2969	0.2059	2.4669	0.00682	0.816	0.00428	0.8202	0.2164	0.00394	0.2203
Max Daily (lbs/day)										
Onsite	214.0914	25.7194	32.7575	0.0388	10.6325	1.6349	11.8752	1.6099	1.5041	2.7652
Offsite	1.9288	16.4893	16.1727	0.0691	2.1805	0.00117	2.3461	0.5964	0.00108	0.7549
Max Daily	216.0202	42.2087	48.9302	0.1079	12.813	1.63607	14.2213	2.2063	1.50518	3.5201

**Montclair General Plan Update
Unmitigated Residential
Winter**

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					10.6325	0	10.6325	1.6099	0	1.6099
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553
Hauling	0.4167	16.447	4.1794	0.0677	2.0128	0.1648	2.1776	0.5519	0.1577	0.7096
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.061	0.0423	0.5069	1.40E-03	0.1677	8.80E-04	0.1685	0.0445	8.10E-04	0.0453
Total	3.1169	42.2087	25.2804	0.1079	12.813	1.40838	14.2213	2.2063	1.31381	3.5201

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					4.4291	0	4.4291	1.6154	0	1.6154
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0813	0.0564	0.6759	1.87E-03	0.2236	1.17E-03	0.2247	0.0593	1.08E-03	0.0604
Total	3.7061	38.8999	29.7174	0.06397	4.6527	1.63607	6.2887	1.6747	1.50518	3.1799

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	1.7062	15.6156	16.3634	0.0269		0.809	0.809		0.7612	0.7612
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0904	2.4824	0.8984	0.0101	0.346	0.0282	0.3742	0.0996	0.027	0.1266
Worker	1.4805	1.0266	12.3005	0.034	4.0687	0.0213	4.09	1.079	0.0196	1.0987
Total	3.2771	19.1246	29.5623	0.071	4.4147	0.8585	5.2732	1.1786	0.8078	1.9865

**Montclair General Plan Update
Unmitigated Residential
Winter**

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.061	0.0423	0.5069	1.40E-03	0.1677	8.80E-04	0.1685	0.0445	8.10E-04	0.0453
Total	1.1638	11.1672	15.0874	0.0242	0.1677	0.56878	0.7364	0.0445	0.52331	0.5678

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	211.0779					0	0		0	0
Off-Road	0.2045	1.4085	1.8136	2.97E-03		0.0817	0.0817		0.0817	0.0817
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.2969	0.2059	2.4669	6.82E-03	0.816	4.28E-03	0.8202	0.2164	3.94E-03	0.2203
Total	211.5793	1.6144	4.2805	0.00979	0.816	0.08598	0.9019	0.2164	0.08564	0.302

**Montclair General Plan Update
Unmitigated Residential
Summer**

Max Daily Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	3.1373	41.4241	25.2983	0.10795	12.813	1.40808	14.221	2.2063	1.31351	3.5198
Onsite	2.6392	25.7194	20.5941	0.0388	10.6325	1.2427	11.8752	1.6099	1.1553	2.7652
Offsite	0.4981	15.7047	4.7042	0.06915	2.1805	0.16538	2.3458	0.5964	0.15821	0.7546
Grading	3.7095	38.8971	29.8643	0.06416	4.6527	1.63607	6.2887	1.6747	1.50518	3.1799
Onsite	3.6248	38.8435	29.0415	0.0621	4.4291	1.6349	6.064	1.6154	1.5041	3.1195
Offsite	0.0847	0.0536	0.8228	0.00206	0.2236	0.00117	0.2247	0.0593	0.00108	0.0604
Building Const	3.3414	18.9563	32.2056	0.0746	4.4147	0.8584	5.2731	1.1786	0.8077	1.9864
Onsite	1.7062	15.6156	16.3634	0.0269	0	0.809	0.809	0	0.7612	0.7612
Offsite	1.6352	3.3407	15.8422	0.0477	4.4147	0.0494	4.4641	1.1786	0.0465	1.2252
Paving	1.1663	11.1651	15.1976	0.02435	0.1677	0.56878	0.7364	0.0445	0.52331	0.5678
Onsite	1.1028	11.1249	14.5805	0.0228	0	0.5679	0.5679	0	0.5225	0.5225
Offsite	0.0635	0.0402	0.6171	0.00155	0.1677	0.00088	0.1685	0.0445	0.00081	0.0453
Architectural Coat	211.5915	1.6042	4.8167	0.0105	0.816	0.08598	0.9019	0.2164	0.08564	0.302
Onsite	211.2824	1.4085	1.8136	0.00297	0	0.0817	0.0817	0	0.0817	0.0817
Offsite	0.3091	0.1957	3.0031	0.00753	0.816	0.00428	0.8202	0.2164	0.00394	0.2203
Max Daily (lbs/day)										
Onsite	214.0914	25.7194	32.7575	0.05267	10.6325	1.6349	11.8752	1.6099	1.5041	2.7652
Offsite	2.0078	15.7047	19.4624	0.05678	2.1805	0.00117	2.3458	0.5964	0.00108	0.7546
Max Daily	216.0992	41.4241	52.2199	0.10945	12.813	1.63607	14.221	2.2063	1.50518	3.5198

Montclair General Plan Update

Unmitigated Residential

Summer

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					10.6325	0	10.6325	1.6099	0	1.6099
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553
Hauling	0.4346	15.6645	4.0871	0.0676	2.0128	0.1645	2.1773	0.5519	0.1574	0.7093
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0635	0.0402	0.6171	1.55E-03	0.1677	8.80E-04	0.1685	0.0445	8.10E-04	0.0453
Total	3.1373	41.4241	25.2983	0.10795	12.813	1.40808	14.221	2.2063	1.31351	3.5198

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					4.4291	0	4.4291	1.6154	0	1.6154
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0847	0.0536	0.8228	2.06E-03	0.2236	1.17E-03	0.2247	0.0593	1.08E-03	0.0604
Total	3.7095	38.8971	29.8643	0.06416	4.6527	1.63607	6.2887	1.6747	1.50518	3.1799

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	1.7062	15.6156	16.3634	0.0269		0.809	0.809		0.7612	0.7612
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0941	2.3647	0.8678	0.0101	0.346	0.0281	0.3741	0.0996	0.0269	0.1265
Worker	1.5411	0.976	14.9744	0.0376	4.0687	0.0213	4.09	1.079	0.0196	1.0987
Total	3.3414	18.9563	32.2056	0.0746	4.4147	0.8584	5.2731	1.1786	0.8077	1.9864

**Montclair General Plan Update
Unmitigated Residential
Summer**

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0635	0.0402	0.6171	1.55E-03	0.1677	8.80E-04	0.1685	0.0445	8.10E-04	0.0453
Total	1.1663	11.1651	15.1976	0.02435	0.1677	0.56878	0.7364	0.0445	0.52331	0.5678

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	211.0779					0	0		0	0
Off-Road	0.2045	1.4085	1.8136	2.97E-03		0.0817	0.0817		0.0817	0.0817
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.3091	0.1957	3.0031	7.53E-03	0.816	4.28E-03	0.8202	0.2164	3.94E-03	0.2203
Total	211.5915	1.6042	4.8167	0.0105	0.816	0.08598	0.9019	0.2164	0.08564	0.302

Montclair General Plan Update
Mitigated Residential
Winter

Mitigated Residential
Max Daily

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Onsite	211.6063	2.0032	31.0351	0.0388	10.6325	0.0616	10.6941	1.6099	0.0616	1.6715
Offsite	2.0078	16.4893	19.4624	0.06915	2.1805	0.16568	2.3461	0.5964	0.15851	0.7549
Max Daily	213.6141	18.4925	50.4975	0.10795	12.813	0.22728	13.0402	2.2063	0.22011	2.4264

Max Daily **Winter**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	0.94	18.4925	27.9661	0.1079	12.813	0.22728	13.0402	2.2063	0.22011	2.4264
Onsite	0.4623	2.0032	23.2798	0.0388	10.6325	0.0616	10.6941	1.6099	0.0616	1.6715
Offsite	0.4777	16.4893	4.6863	0.0691	2.1805	0.16568	2.3461	0.5964	0.15851	0.7549
Grading	0.8429	3.3564	33.675	0.06397	4.6527	0.10267	4.7553	1.6747	0.10258	1.7773
Onsite	0.7616	3.3	32.9991	0.0621	4.4291	0.1015	4.5306	1.6154	0.1015	1.7169
Offsite	0.0813	0.0564	0.6759	0.00187	0.2236	0.00117	0.2247	0.0593	0.00108	0.0604
Building Const	1.7891	4.4547	25.1059	0.0619	4.4147	0.0786	4.4933	1.1786	0.0757	1.2544
Onsite	0.2182	0.9457	11.907	0.0178	0	0.0291	0.0291	0	0.0291	0.0291
Offsite	1.5709	3.509	13.1989	0.0441	4.4147	0.0495	4.4642	1.1786	0.0466	1.2253
Paving	0.3415	1.2577	17.8026	0.0242	0.1677	0.03828	0.2059	0.0445	0.03821	0.0827
Onsite	0.2805	1.2154	17.2957	0.0228	0	0.0374	0.0374	0	0.0374	0.0374
Offsite	0.061	0.0423	0.5069	0.0014	0.1677	0.00088	0.1685	0.0445	0.00081	0.0453
Architectural Coat	211.4045	0.3347	4.2993	0.00979	0.816	0.00824	0.82416	0.2164	0.0079	0.22426
Onsite	211.1076	0.1288	1.8324	0.00297	0	0.00396	0.00396	0	0.00396	0.00396
Offsite	0.2969	0.2059	2.4669	0.00682	0.816	0.00428	0.8202	0.2164	0.00394	0.2203
Max Daily (lbs/day)										
Onsite	211.6063	2.0032	31.0351	0.0388	10.6325	0.0616	10.6941	1.6099	0.0616	1.6715
Offsite	1.9288	16.4893	16.1727	0.0691	2.1805	0.16568	2.3461	0.5964	0.15851	0.7549
Max Daily	213.5351	18.4925	47.2078	0.1079	12.813	0.22728	13.0402	2.2063	0.22011	2.4264

Montclair General Plan Update
Mitigated Residential
Winter

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					10.6325	0	10.6325	1.6099	0	1.6099
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616
Hauling	0.4167	16.447	4.1794	0.0677	2.0128	0.1648	2.1776	0.5519	0.1577	0.7096
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.061	0.0423	0.5069	1.40E-03	0.1677	8.80E-04	0.1685	0.0445	8.10E-04	0.0453
Total	0.94	18.4925	27.9661	0.1079	12.813	0.22728	13.0402	2.2063	0.22011	2.4264

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					4.4291	0	4.4291	1.6154	0	1.6154
Off-Road	0.7616	3.3	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0813	0.0564	0.6759	1.87E-03	0.2236	1.17E-03	0.2247	0.0593	1.08E-03	0.0604
Total	0.8429	3.3564	33.675	0.06397	4.6527	0.10267	4.7553	1.6747	0.10258	1.7773

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	0.2182	0.9457	11.907	0.0178		0.0291	0.0291		0.0291	0.0291
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0904	2.4824	0.8984	0.0101	0.346	0.0282	0.3742	0.0996	0.027	0.1266
Worker	1.4805	1.0266	12.3005	0.034	4.0687	0.0213	4.09	1.079	0.0196	1.0987
Total	1.7891	4.4547	25.1059	0.0619	4.4147	0.0786	4.4933	1.1786	0.0757	1.2544

**Montclair General Plan Update
Mitigated Residential
Winter**

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.061	0.0423	0.5069	1.40E-03	0.1677	8.80E-04	0.1685	0.0445	8.10E-04	0.0453
Total	0.3415	1.2577	17.8026	0.0242	0.1677	0.03828	0.2059	0.0445	0.03821	0.0827

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	211.0779					0	0		0	0
Off-Road	0.0297	0.1288	1.8324	2.97E-03		3.96E-03	3.96E-03		3.96E-03	3.96E-03
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.2969	0.2059	2.4669	6.82E-03	0.816	4.28E-03	0.8202	0.2164	3.94E-03	0.2203
Total	211.4045	0.3347	4.2993	0.00979	0.816	0.00824	0.82416	0.2164	0.0079	0.22426

**Montclair General Plan Update
Mitigated Residential
Summer**

Max Daily Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	0.9604	17.7079	27.984	0.10795	12.813	0.22698	13.0399	2.2063	0.21981	2.4261
Onsite	0.4623	2.0032	23.2798	0.0388	10.6325	0.0616	10.6941	1.6099	0.0616	1.6715
Offsite	0.4981	15.7047	4.7042	0.06915	2.1805	0.16538	2.3458	0.5964	0.15821	0.7546
Grading	0.8463	3.3536	33.8219	0.06416	4.6527	0.10267	4.7553	1.6747	0.10258	1.7773
Onsite	0.7616	3.3	32.9991	0.0621	4.4291	0.1015	4.5306	1.6154	0.1015	1.7169
Offsite	0.0847	0.0536	0.8228	0.00206	0.2236	0.00117	0.2247	0.0593	0.00108	0.0604
Building Const	1.8534	4.2864	27.7492	0.0655	4.4147	0.0785	4.4932	1.1786	0.0756	1.2543
Onsite	0.2182	0.9457	11.907	0.0178	0	0.0291	0.0291	0	0.0291	0.0291
Offsite	1.6352	3.3407	15.8422	0.0477	4.4147	0.0494	4.4641	1.1786	0.0465	1.2252
Paving	0.344	1.2556	17.9128	0.02435	0.1677	0.03828	0.2059	0.0445	0.03821	0.0827
Onsite	0.2805	1.2154	17.2957	0.0228	0	0.0374	0.0374	0	0.0374	0.0374
Offsite	0.0635	0.0402	0.6171	0.00155	0.1677	0.00088	0.1685	0.0445	0.00081	0.0453
Architectural Coat	211.4167	0.3245	4.8355	0.0105	0.816	0.00824	0.82416	0.2164	0.0079	0.22426
Onsite	211.1076	0.1288	1.8324	0.00297	0	0.00396	0.00396	0	0.00396	0.00396
Offsite	0.3091	0.1957	3.0031	0.00753	0.816	0.00428	0.8202	0.2164	0.00394	0.2203
Max Daily (lbs/day)										
Onsite	211.6063	2.0032	31.0351	0.0388	10.6325	0.0616	10.6941	1.6099	0.0616	1.6715
Offsite	2.0078	15.7047	19.4624	0.06915	2.1805	0.16538	2.3458	0.5964	0.15821	0.7546
Max Daily	213.6141	17.7079	50.4975	0.10795	12.813	0.22698	13.0399	2.2063	0.21981	2.4261

Montclair General Plan Update

Mitigated Residential

Summer

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					10.6325	0	10.6325	1.6099	0	1.6099
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616
Hauling	0.4346	15.6645	4.0871	0.0676	2.0128	0.1645	2.1773	0.5519	0.1574	0.7093
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0635	0.0402	0.6171	1.55E-03	0.1677	8.80E-04	0.1685	0.0445	8.10E-04	0.0453
Total	0.9604	17.7079	27.984	0.10795	12.813	0.22698	13.0399	2.2063	0.21981	2.4261

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					4.4291	0	4.4291	1.6154	0	1.6154
Off-Road	0.7616	3.3	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0847	0.0536	0.8228	2.06E-03	0.2236	1.17E-03	0.2247	0.0593	1.08E-03	0.0604
Total	0.8463	3.3536	33.8219	0.06416	4.6527	0.10267	4.7553	1.6747	0.10258	1.7773

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	0.2182	0.9457	11.907	0.0178		0.0291	0.0291		0.0291	0.0291
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0941	2.3647	0.8678	0.0101	0.346	0.0281	0.3741	0.0996	0.0269	0.1265
Worker	1.5411	0.976	14.9744	0.0376	4.0687	0.0213	4.09	1.079	0.0196	1.0987
Total	1.8534	4.2864	27.7492	0.0655	4.4147	0.0785	4.4932	1.1786	0.0756	1.2543

**Montclair General Plan Update
Mitigated Residential
Summer**

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0635	0.0402	0.6171	1.55E-03	0.1677	8.80E-04	0.1685	0.0445	8.10E-04	0.0453
Total	0.344	1.2556	17.9128	0.02435	0.1677	0.03828	0.2059	0.0445	0.03821	0.0827

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	211.0779					0	0		0	0
Off-Road	0.0297	0.1288	1.8324	2.97E-03		3.96E-03	3.96E-03		3.96E-03	3.96E-03
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.3091	0.1957	3.0031	7.53E-03	0.816	4.28E-03	0.8202	0.2164	3.94E-03	0.2203
Total	211.4167	0.3245	4.8355	0.0105	0.816	0.00824	0.82416	0.2164	0.0079	0.22426

Montclair General Plan Update
Unmitigated Industrial/Flex
Winter

Unmitigated Industrial/Flex

Max Daily

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Onsite	109.7474	25.3447	27.8639	0.04587	2.5382	1.2718	3.3761	1.4641	1.2048	2.147
Offsite	0.3711	1.1882	3.5874	0.01207	0.6256	0.01562	0.6658	0.0296	0.01476	0.0302
Max Daily	110.1185	26.5329	31.4513	0.05794	3.1638	1.28742	4.0419	1.4937	1.21956	2.1772

Max Daily

Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	1.8413	20.5834	15.3972	0.04151	3.1638	0.87796	4.0419	0.5545	0.8212	1.3757
Onsite	1.6889	16.6217	13.9605	0.0241	2.5382	0.8379	3.3761	0.3843	0.7829	1.1672
Offsite	0.1524	3.9617	1.4367	0.01741	0.6256	0.04006	0.6658	0.1702	0.0383	0.2085
Grading	1.581	17.0118	9.5581	0.02153	3.1396	0.74289	3.8825	1.4937	0.68344	2.1772
Onsite	1.5403	16.9836	9.2202	0.0206	3.0278	0.7423	3.7701	1.4641	0.6829	2.147
Offsite	0.0407	0.0282	0.3379	0.00093	0.1118	0.00059	0.1124	0.0296	0.00054	0.0302
Building Const	2.1063	15.7189	16.4937	0.03387	0.7269	0.7163	1.4432	0.1958	0.68646	0.8823
Onsite	1.8555	14.604	14.3533	0.025	0	0.7022	0.7022	0	0.6731	0.6731
Offsite	0.2508	1.1149	2.1404	0.00887	0.7269	0.0141	0.741	0.1958	0.01336	0.2092
Paving	1.0022	9.3745	12.2039	0.0193	0.1677	0.48878	0.6564	0.0445	0.45081	0.4953
Onsite	0.9412	9.3322	11.697	0.0179	0	0.4879	0.4879	0	0.45	0.45
Offsite	0.061	0.0423	0.5069	0.0014	0.1677	0.00088	0.1685	0.0445	0.00081	0.0453
Architectural Coat	106.9954	1.4395	2.1853	0.004	0.123	0.08234	0.2053	0.0326	0.08229	0.1149
Onsite	106.9507	1.4085	1.8136	0.00297	0	0.0817	0.0817	0	0.0817	0.0817
Offsite	0.0447	0.031	0.3717	0.00103	0.123	0.00064	0.1236	0.0326	0.00059	0.0332
Max Daily (lbs/day)										
Onsite	109.7474	25.3447	27.8639	0.04587	2.5382	1.2718	3.3761	1.4641	1.2048	2.147
Offsite	0.3565	1.1882	3.019	0.0113	0.6256	0.01562	0.6658	0.0296	0.01476	0.0302
Max Daily	110.1039	26.5329	30.8829	0.05717	3.1638	1.28742	4.0419	1.4937	1.21956	2.1772

Montclair General Plan Update
Unmitigated Industrial/Flex
Winter

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					2.5382	0	2.5382	0.3843	0	0.3843
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829
Hauling	0.0995	3.925	0.9974	0.0162	0.4803	0.0393	0.5197	0.1317	0.0376	0.1693
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0529	0.0367	0.4393	1.21E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	1.8413	20.5834	15.3972	0.04151	3.1638	0.87796	4.0419	0.5545	0.8212	1.3757

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					3.0278	0	3.0278	1.4641	0	1.4641
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0407	0.0282	0.3379	9.30E-04	0.1118	5.90E-04	0.1124	0.0296	5.40E-04	0.0302
Total	1.581	17.0118	9.5581	0.02153	3.1396	0.74289	3.8825	1.4937	0.68344	2.1772

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	1.8555	14.604	14.3533	0.025		0.7022	0.7022		0.6731	0.6731
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0352	0.9654	0.3494	3.92E-03	0.1345	0.011	0.1455	0.0387	0.0105	0.0492
Worker	0.2156	0.1495	1.791	4.95E-03	0.5924	3.10E-03	0.5955	0.1571	2.86E-03	0.16
Total	2.1063	15.7189	16.4937	0.03387	0.7269	0.7163	1.4432	0.1958	0.68646	0.8823

**Montclair General Plan Update
Unmitigated Industrial/Flex
Winter**

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.9412	9.3322	11.697	0.0179		0.4879	0.4879		0.45	0.45
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.061	0.0423	0.5069	1.40E-03	0.1677	8.80E-04	0.1685	0.0445	8.10E-04	0.0453
Total	1.0022	9.3745	12.2039	0.0193	0.1677	0.48878	0.6564	0.0445	0.45081	0.4953

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	106.7462					0	0		0	0
Off-Road	0.2045	1.4085	1.8136	2.97E-03		0.0817	0.0817		0.0817	0.0817
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0447	0.031	0.3717	1.03E-03	0.123	6.40E-04	0.1236	0.0326	5.90E-04	0.0332
Total	106.9954	1.4395	2.1853	0.004	0.123	0.08234	0.2053	0.0326	0.08229	0.1149

**Montclair General Plan Update
Unmitigated Industrial/Flex
Summer**

Max Daily Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	1.8476	20.3949	15.4707	0.04154	3.1638	0.87796	4.0418	0.5545	0.8212	1.3757
Onsite	1.6889	16.6217	13.9605	0.0241	2.5382	0.8379	3.3761	0.3843	0.7829	1.1672
Offsite	0.1587	3.7732	1.5102	0.01744	0.6256	0.04006	0.6657	0.1702	0.0383	0.2085
Grading	1.5826	17.0104	9.6316	0.02163	3.1396	0.74289	3.8825	1.4937	0.68344	2.1772
Onsite	1.5403	16.9836	9.2202	0.0206	3.0278	0.7423	3.7701	1.4641	0.6829	2.147
Offsite	0.0423	0.0268	0.4114	0.00103	0.1118	0.00059	0.1124	0.0296	0.00054	0.0302
Building Const	2.1165	15.6657	16.8711	0.03439	0.7269	0.7162	1.4432	0.1958	0.68646	0.8823
Onsite	1.8555	14.604	14.3533	0.025	0	0.7022	0.7022	0	0.6731	0.6731
Offsite	0.261	1.0617	2.5178	0.00939	0.7269	0.014	0.741	0.1958	0.01336	0.2092
Paving	1.0047	9.3724	12.3141	0.01945	0.1677	0.48878	0.6564	0.0445	0.45081	0.4953
Onsite	0.9412	9.3322	11.697	0.0179	0	0.4879	0.4879	0	0.45	0.45
Offsite	0.0635	0.0402	0.6171	0.00155	0.1677	0.00088	0.1685	0.0445	0.00081	0.0453
Architectural Coat	106.9973	1.438	2.2661	0.0041	0.123	0.08234	0.2053	0.0326	0.08229	0.1149
Onsite	106.9507	1.4085	1.8136	0.00297	0	0.0817	0.0817	0	0.0817	0.0817
Offsite	0.0466	0.0295	0.4525	0.00113	0.123	0.00064	0.1236	0.0326	0.00059	0.0332
Max Daily (lbs/day)										
Onsite	109.7474	25.3447	27.8639	0.04587	2.5382	1.2718	3.3761	1.4641	1.2048	2.147
Offsite	0.3711	1.1314	3.5874	0.01207	0.6256	0.01552	0.6657	0.0296	0.01476	0.0302
Max Daily	110.1185	26.4761	31.4513	0.05794	3.1638	1.28732	4.0418	1.4937	1.21956	2.1772

Montclair General Plan Update
Unmitigated Industrial/Flex
Summer

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					2.5382	0	2.5382	0.3843	0	0.3843
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829
Hauling	0.1037	3.7383	0.9754	0.0161	0.4803	0.0393	0.5196	0.1317	0.0376	0.1693
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.055	0.0349	0.5348	1.34E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	1.8476	20.3949	15.4707	0.04154	3.1638	0.87796	4.0418	0.5545	0.8212	1.3757

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					3.0278	0	3.0278	1.4641	0	1.4641
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0423	0.0268	0.4114	1.03E-03	0.1118	5.90E-04	0.1124	0.0296	5.40E-04	0.0302
Total	1.5826	17.0104	9.6316	0.02163	3.1396	0.74289	3.8825	1.4937	0.68344	2.1772

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	1.8555	14.604	14.3533	0.025		0.7022	0.7022		0.6731	0.6731
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0366	0.9196	0.3375	3.92E-03	0.1345	0.0109	0.1455	0.0387	0.0105	0.0492
Worker	0.2244	0.1421	2.1803	5.47E-03	0.5924	3.10E-03	0.5955	0.1571	2.86E-03	0.16
Total	2.1165	15.6657	16.8711	0.03439	0.7269	0.7162	1.4432	0.1958	0.68646	0.8823

Montclair General Plan Update
Unmitigated Industrial/Flex
Summer

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.9412	9.3322	11.697	0.0179		0.4879	0.4879		0.45	0.45
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0635	0.0402	0.6171	1.55E-03	0.1677	8.80E-04	0.1685	0.0445	8.10E-04	0.0453
Total	1.0047	9.3724	12.3141	0.01945	0.1677	0.48878	0.6564	0.0445	0.45081	0.4953

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	106.7462					0	0		0	0
Off-Road	0.2045	1.4085	1.8136	2.97E-03		0.0817	0.0817		0.0817	0.0817
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0466	0.0295	0.4525	1.13E-03	0.123	6.40E-04	0.1236	0.0326	5.90E-04	0.0332
Total	106.9973	1.438	2.2661	0.0041	0.123	0.08234	0.2053	0.0326	0.08229	0.1149

Montclair General Plan Update
Mitigated Industrial/Flex
Winter

Mitigated Industrial/Flex

Max Daily

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Onsite	107.1186	1.2179	21.1947	0.03087	2.5382	0.0375	2.5757	1.4641	0.0375	1.4977
Offsite	0.3711	3.9617	3.5874	0.01207	0.6256	0.04006	0.6658	0.0296	0.0383	0.0302
Max Daily	107.4897	5.1796	24.7821	0.04294	3.1638	0.07756	3.2415	1.4937	0.0758	1.5279

Max Daily

Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	0.4335	5.1796	16.1551	0.04151	3.1638	0.07756	3.2415	0.5545	0.0758	0.6303
Onsite	0.2811	1.2179	14.7184	0.0241	2.5382	0.0375	2.5757	0.3843	0.0375	0.4218
Offsite	0.1524	3.9617	1.4367	0.01741	0.6256	0.04006	0.6658	0.1702	0.0383	0.2085
Grading	0.2929	1.1209	11.245	0.02153	3.1396	0.03419	3.1738	1.4937	0.03414	1.5279
Onsite	0.2522	1.0927	10.9071	0.0206	3.0278	0.0336	3.0614	1.4641	0.0336	1.4977
Offsite	0.0407	0.0282	0.3379	0.00093	0.1118	0.00059	0.1124	0.0296	0.00054	0.0302
Building Const	0.3831	1.6884	8.529	0.01967	0.7269	0.0318	0.7587	0.1958	0.03106	0.2269
Onsite	0.1323	0.5735	6.3886	0.0108	0	0.0177	0.0177	0	0.0177	0.0177
Offsite	0.2508	1.1149	2.1404	0.00887	0.7269	0.0141	0.741	0.1958	0.01336	0.2092
Paving	0.2714	0.954	13.4806	0.0185	0.1677	0.02898	0.1966	0.0445	0.02891	0.0734
Onsite	0.2104	0.9117	12.9737	0.0171	0	0.0281	0.0281	0	0.0281	0.0281
Offsite	0.061	0.0423	0.5069	0.0014	0.1677	0.00088	0.1685	0.0445	0.00081	0.0453
Architectural Coat	106.8206	0.1598	2.2041	0.004	0.123	0.0046	0.12756	0.0326	0.00455	0.03716
Onsite	106.7759	0.1288	1.8324	0.00297	0	0.00396	0.00396	0	0.00396	0.00396
Offsite	0.0447	0.031	0.3717	0.00103	0.123	0.00064	0.1236	0.0326	0.00059	0.0332
Max Daily (lbs/day)										
Onsite	107.1186	1.2179	21.1947	0.03087	2.5382	0.0375	2.5757	1.4641	0.0375	1.4977
Offsite	0.3565	3.9617	3.019	0.0113	0.6256	0.04006	0.6658	0.0296	0.0383	0.0302
Max Daily	107.4751	5.1796	24.2137	0.04217	3.1638	0.07756	3.2415	1.4937	0.0758	1.5279

Montclair General Plan Update
Mitigated Industrial/Flex
Winter

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					2.5382	0	2.5382	0.3843	0	0.3843
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375
Hauling	0.0995	3.925	0.9974	0.0162	0.4803	0.0393	0.5197	0.1317	0.0376	0.1693
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0529	0.0367	0.4393	1.21E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	0.4335	5.1796	16.1551	0.04151	3.1638	0.07756	3.2415	0.5545	0.0758	0.6303

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					3.0278	0	3.0278	1.4641	0	1.4641
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0407	0.0282	0.3379	9.30E-04	0.1118	5.90E-04	0.1124	0.0296	5.40E-04	0.0302
Total	0.2929	1.1209	11.245	0.02153	3.1396	0.03419	3.1738	1.4937	0.03414	1.5279

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	0.1323	0.5735	6.3886	0.0108		0.0177	0.0177		0.0177	0.0177
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0352	0.9654	0.3494	3.92E-03	0.1345	0.011	0.1455	0.0387	0.0105	0.0492
Worker	0.2156	0.1495	1.791	4.95E-03	0.5924	3.10E-03	0.5955	0.1571	2.86E-03	0.16
Total	0.3831	1.6884	8.529	0.01967	0.7269	0.0318	0.7587	0.1958	0.03106	0.2269

Montclair General Plan Update
Mitigated Industrial/Flex
Winter

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.2104	0.9117	12.9737	0.0171		0.0281	0.0281		0.0281	0.0281
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.061	0.0423	0.5069	1.40E-03	0.1677	8.80E-04	0.1685	0.0445	8.10E-04	0.0453
Total	0.2714	0.954	13.4806	0.0185	0.1677	0.02898	0.1966	0.0445	0.02891	0.0734

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	106.7462					0	0		0	0
Off-Road	0.0297	0.1288	1.8324	2.97E-03		3.96E-03	3.96E-03		3.96E-03	3.96E-03
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0447	0.031	0.3717	1.03E-03	0.123	6.40E-04	0.1236	0.0326	5.90E-04	0.0332
Total	106.8206	0.1598	2.2041	0.004	0.123	0.0046	0.12756	0.0326	0.00455	0.03716

Montclair General Plan Update
Mitigated Industrial/Flex
Summer

Max Daily Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	0.4398	4.9911	16.2286	0.04154	3.1638	0.07756	3.2414	0.5545	0.0758	0.6303
Onsite	0.2811	1.2179	14.7184	0.0241	2.5382	0.0375	2.5757	0.3843	0.0375	0.4218
Offsite	0.1587	3.7732	1.5102	0.01744	0.6256	0.04006	0.6657	0.1702	0.0383	0.2085
Grading	0.2945	1.1195	11.3185	0.02163	3.1396	0.03419	3.1738	1.4937	0.03414	1.5279
Onsite	0.2522	1.0927	10.9071	0.0206	3.0278	0.0336	3.0614	1.4641	0.0336	1.4977
Offsite	0.0423	0.0268	0.4114	0.00103	0.1118	0.00059	0.1124	0.0296	0.00054	0.0302
Building Const	0.3933	1.6352	8.9064	0.02019	0.7269	0.0317	0.7587	0.1958	0.03106	0.2269
Onsite	0.1323	0.5735	6.3886	0.0108	0	0.0177	0.0177	0	0.0177	0.0177
Offsite	0.261	1.0617	2.5178	0.00939	0.7269	0.014	0.741	0.1958	0.01336	0.2092
Paving	0.2739	0.9519	13.5908	0.01865	0.1677	0.02898	0.1966	0.0445	0.02891	0.0734
Onsite	0.2104	0.9117	12.9737	0.0171	0	0.0281	0.0281	0	0.0281	0.0281
Offsite	0.0635	0.0402	0.6171	0.00155	0.1677	0.00088	0.1685	0.0445	0.00081	0.0453
Architectural Coat	106.8225	0.1583	2.2849	0.0041	0.123	0.0046	0.12756	0.0326	0.00455	0.03716
Onsite	106.7759	0.1288	1.8324	0.00297	0	0.00396	0.00396	0	0.00396	0.00396
Offsite	0.0466	0.0295	0.4525	0.00113	0.123	0.00064	0.1236	0.0326	0.00059	0.0332
Max Daily (lbs/day)										
Onsite	107.1186	1.2179	21.1947	0.03087	2.5382	0.0375	2.5757	1.4641	0.0375	1.4977
Offsite	0.3711	3.7732	3.5874	0.01207	0.6256	0.04006	0.6657	0.0296	0.0383	0.0302
Max Daily	107.4897	4.9911	24.7821	0.04294	3.1638	0.07756	3.2414	1.4937	0.0758	1.5279

Montclair General Plan Update
Mitigated Industrial/Flex
Summer

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					2.5382	0	2.5382	0.3843	0	0.3843
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375
Hauling	0.1037	3.7383	0.9754	0.0161	0.4803	0.0393	0.5196	0.1317	0.0376	0.1693
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.055	0.0349	0.5348	1.34E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	0.4398	4.9911	16.2286	0.04154	3.1638	0.07756	3.2414	0.5545	0.0758	0.6303

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					3.0278	0	3.0278	1.4641	0	1.4641
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0423	0.0268	0.4114	1.03E-03	0.1118	5.90E-04	0.1124	0.0296	5.40E-04	0.0302
Total	0.2945	1.1195	11.3185	0.02163	3.1396	0.03419	3.1738	1.4937	0.03414	1.5279

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	0.1323	0.5735	6.3886	0.0108		0.0177	0.0177		0.0177	0.0177
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0366	0.9196	0.3375	3.92E-03	0.1345	0.0109	0.1455	0.0387	0.0105	0.0492
Worker	0.2244	0.1421	2.1803	5.47E-03	0.5924	3.10E-03	0.5955	0.1571	2.86E-03	0.16
Total	0.3933	1.6352	8.9064	0.02019	0.7269	0.0317	0.7587	0.1958	0.03106	0.2269

**Montclair General Plan Update
Mitigated Industrial/Flex
Summer**

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.2104	0.9117	12.9737	0.0171		0.0281	0.0281		0.0281	0.0281
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0635	0.0402	0.6171	1.55E-03	0.1677	8.80E-04	0.1685	0.0445	8.10E-04	0.0453
Total	0.2739	0.9519	13.5908	0.01865	0.1677	0.02898	0.1966	0.0445	0.02891	0.0734

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	106.7462					0	0		0	0
Off-Road	0.0297	0.1288	1.8324	2.97E-03		3.96E-03	3.96E-03		3.96E-03	3.96E-03
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0466	0.0295	0.4525	1.13E-03	0.123	6.40E-04	0.1236	0.0326	5.90E-04	0.0332
Total	106.8225	0.1583	2.2849	0.0041	0.123	0.0046	0.12756	0.0326	0.00455	0.03716

Montclair General Plan Update
Unmitigated Office
Winter

Unmitigated Office

Max Daily

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Onsite	75.6977	14.3517	16.0011	0.02567	2.1008	0.7497	2.6181	1.0797	0.6997	1.5556
Offsite	0.1562	0.41776	1.5132	0.00482	0.0894	0.00566	0.0899	0.0237	0.00533	0.0242
Max Daily	75.8539	14.76946	17.5143	0.03049	2.1902	0.75536	2.708	1.1034	0.70503	1.5798

Max Daily

Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	0.7815	7.6822	8.1229	0.01803	1.0652	0.35049	1.4157	0.1926	0.33494	0.5276
Onsite	0.7094	6.4138	7.4693	0.012	0.8016	0.3375	1.1391	0.1214	0.3225	0.4439
Offsite	0.0721	1.2684	0.6536	0.00603	0.2636	0.01299	0.2766	0.0712	0.01244	0.0837
Grading	1.1158	12.0272	6.2067	0.01485	2.1902	0.51777	2.708	1.1034	0.47633	1.5798
Onsite	1.0832	12.0046	5.936	0.0141	2.1008	0.5173	2.6181	1.0797	0.4759	1.5556
Offsite	0.0326	0.0226	0.2707	0.00075	0.0894	0.00047	0.0899	0.0237	0.00043	0.0242
Building Const	0.7509	7.3843	7.7091	0.01392	0.1902	0.37632	0.5665	0.0514	0.3464	0.3978
Onsite	0.6863	7.0258	7.1527	0.0114	0	0.3719	0.3719	0	0.3422	0.3422
Offsite	0.0646	0.3585	0.5564	0.00252	0.1902	0.00442	0.1946	0.0514	0.0042	0.0556
Paving	0.7201	5.9682	7.6439	0.01298	0.2012	0.29716	0.4984	0.0534	0.27677	0.3301
Onsite	0.6469	5.9174	7.0348	0.0113	0	0.2961	0.2961	0	0.2758	0.2758
Offsite	0.0732	0.0508	0.6091	0.00168	0.2012	0.00106	0.2023	0.0534	0.00097	0.0543
Architectural Coat	74.3767	1.41696	1.9151	0.00325	0.0335	0.08188	0.1154	0.00889	0.08186	0.09076
Onsite	74.3645	1.4085	1.8136	0.00297	0	0.0817	0.0817	0	0.0817	0.0817
Offsite	0.0122	0.00846	0.1015	0.00028	0.0335	0.00018	0.0337	0.00889	0.00016	0.00906
Max Daily (lbs/day)										
Onsite	75.6977	14.3517	16.0011	0.02567	2.1008	0.7497	2.6181	1.0797	0.6997	1.5556
Offsite	0.15	0.41776	1.267	0.00448	0.0894	0.00566	0.0899	0.0237	0.00533	0.0242
Max Daily	75.8477	14.76946	17.2681	0.03015	2.1902	0.75536	2.708	1.1034	0.70503	1.5798

Montclair General Plan Update
Unmitigated Office
Winter

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					0.8016	0	0.8016	0.1214	0	0.1214
Off-Road	0.7094	6.4138	7.4693	0.012		0.3375	0.3375		0.3225	0.3225
Hauling	0.0314	1.2402	0.3152	5.10E-03	0.1518	0.0124	0.1642	0.0416	0.0119	0.0535
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0407	0.0282	0.3384	9.30E-04	0.1118	5.90E-04	0.1124	0.0296	5.40E-04	0.0302
Total	0.7815	7.6822	8.1229	0.01803	1.0652	0.35049	1.4157	0.1926	0.33494	0.5276

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					2.1008	0	2.1008	1.0797	0	1.0797
Off-Road	1.0832	12.0046	5.936	0.0141		0.5173	0.5173		0.4759	0.4759
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0326	0.0226	0.2707	7.50E-04	0.0894	4.70E-04	0.0899	0.0237	4.30E-04	0.0242
Total	1.1158	12.0272	6.2067	0.01485	2.1902	0.51777	2.708	1.1034	0.47633	1.5798

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0117	0.3218	0.1165	1.31E-03	0.0449	3.66E-03	0.0485	0.0129	3.50E-03	0.0164
Worker	0.0529	0.0367	0.4399	1.21E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	0.7509	7.3843	7.7091	0.01392	0.1902	0.37632	0.5665	0.0514	0.3464	0.3978

**Montclair General Plan Update
Unmitigated Office
Winter**

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0732	0.0508	0.6091	1.68E-03	0.2012	1.06E-03	0.2023	0.0534	9.70E-04	0.0543
Total	0.7201	5.9682	7.6439	0.01298	0.2012	0.29716	0.4984	0.0534	0.27677	0.3301

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	74.16					0	0		0	0
Off-Road	0.2045	1.4085	1.8136	2.97E-03		0.0817	0.0817		0.0817	0.0817
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0122	8.46E-03	0.1015	2.80E-04	0.0335	1.80E-04	0.0337	8.89E-03	1.60E-04	9.06E-03
Total	74.3767	1.41696	1.9151	0.00325	0.0335	0.08188	0.1154	0.00889	0.08186	0.09076

Montclair General Plan Update
Unmitigated Office
Summer

Max Daily **Summer**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	0.7846	7.6218	8.1895	0.01813	1.0652	0.35049	1.4157	0.1926	0.33494	0.5276
Onsite	0.7094	6.4138	7.4693	0.012	0.8016	0.3375	1.1391	0.1214	0.3225	0.4439
Offsite	0.0752	1.208	0.7202	0.00613	0.2636	0.01299	0.2766	0.0712	0.01244	0.0837
Grading	1.1171	12.0261	6.2656	0.01493	2.1902	0.51777	2.708	1.1034	0.47633	1.5798
Onsite	1.0832	12.0046	5.936	0.0141	2.1008	0.5173	2.6181	1.0797	0.4759	1.5556
Offsite	0.0339	0.0215	0.3296	0.00083	0.0894	0.00047	0.0899	0.0237	0.00043	0.0242
Building Const	0.7536	7.3672	7.8008	0.01405	0.1902	0.37631	0.5665	0.0514	0.34639	0.3978
Onsite	0.6863	7.0258	7.1527	0.0114	0	0.3719	0.3719	0	0.3422	0.3422
Offsite	0.0673	0.3414	0.6481	0.00265	0.1902	0.00441	0.1946	0.0514	0.00419	0.0556
Paving	0.7231	5.9657	7.7763	0.01316	0.2012	0.29716	0.4984	0.0534	0.27677	0.3301
Onsite	0.6469	5.9174	7.0348	0.0113	0	0.2961	0.2961	0	0.2758	0.2758
Offsite	0.0762	0.0483	0.7415	0.00186	0.2012	0.00106	0.2023	0.0534	0.00097	0.0543
Architectural Coat	74.3772	1.41655	1.9372	0.00328	0.0335	0.08188	0.1154	0.00889	0.08186	0.09076
Onsite	74.3645	1.4085	1.8136	0.00297	0	0.0817	0.0817	0	0.0817	0.0817
Offsite	0.0127	0.00805	0.1236	0.00031	0.0335	0.00018	0.0337	0.00889	0.00016	0.00906
Max Daily (lbs/day)										
Onsite	75.6977	14.3517	16.0011	0.02567	2.1008	0.7497	2.6181	1.0797	0.6997	1.5556
Offsite	0.1562	0.39775	1.5132	0.00482	0.0894	0.00565	0.0899	0.0237	0.00532	0.0242
Max Daily	75.8539	14.74945	17.5143	0.03049	2.1902	0.75535	2.708	1.1034	0.70502	1.5798

Montclair General Plan Update
Unmitigated Office
Summer

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					0.8016	0	0.8016	0.1214	0	0.1214
Off-Road	0.7094	6.4138	7.4693	0.012		0.3375	0.3375		0.3225	0.3225
Hauling	0.0328	1.1812	0.3082	5.10E-03	0.1518	0.0124	0.1642	0.0416	0.0119	0.0535
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0424	0.0268	0.412	1.03E-03	0.1118	5.90E-04	0.1124	0.0296	5.40E-04	0.0302
Total	0.7846	7.6218	8.1895	0.01813	1.0652	0.35049	1.4157	0.1926	0.33494	0.5276

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					2.1008	0	2.1008	1.0797	0	1.0797
Off-Road	1.0832	12.0046	5.936	0.0141		0.5173	0.5173		0.4759	0.4759
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0339	0.0215	0.3296	8.30E-04	0.0894	4.70E-04	0.0899	0.0237	4.30E-04	0.0242
Total	1.1171	12.0261	6.2656	0.01493	2.1902	0.51777	2.708	1.1034	0.47633	1.5798

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0122	0.3065	0.1125	1.31E-03	0.0449	3.65E-03	0.0485	0.0129	3.49E-03	0.0164
Worker	0.0551	0.0349	0.5356	1.34E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	0.7536	7.3672	7.8008	0.01405	0.1902	0.37631	0.5665	0.0514	0.34639	0.3978

**Montclair General Plan Update
Unmitigated Office
Summer**

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0762	0.0483	0.7415	1.86E-03	0.2012	1.06E-03	0.2023	0.0534	9.70E-04	0.0543
Total	0.7231	5.9657	7.7763	0.01316	0.2012	0.29716	0.4984	0.0534	0.27677	0.3301

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	74.16					0	0		0	0
Off-Road	0.2045	1.4085	1.8136	2.97E-03		0.0817	0.0817		0.0817	0.0817
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0127	8.05E-03	0.1236	3.10E-04	0.0335	1.80E-04	0.0337	8.89E-03	1.60E-04	9.06E-03
Total	74.3772	1.41655	1.9372	0.00328	0.0335	0.08188	0.1154	0.00889	0.08186	0.09076

Montclair General Plan Update
Mitigated Office
Winter

Mitigated Office

Max Daily

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Onsite	74.4413	0.5747	16.4613	0.0235	2.1008	0.03746	2.1238	1.0797	0.03746	1.1027
Offsite	0.1562	1.2684	1.5132	0.00482	0.0894	0.00566	0.0899	0.0237	0.00533	0.0242
Max Daily	74.5975	1.8431	17.9745	0.02832	2.1902	0.04312	2.2137	1.1034	0.04279	1.1269

Max Daily

Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	0.2047	1.8431	8.5045	0.01803	1.0652	0.03069	1.0959	0.1926	0.03014	0.2228
Onsite	0.1326	0.5747	7.8509	0.012	0.8016	0.0177	0.8193	0.1214	0.0177	0.1391
Offsite	0.0721	1.2684	0.6536	0.00603	0.2636	0.01299	0.2766	0.0712	0.01244	0.0837
Grading	0.2051	0.7701	7.4264	0.01485	2.1902	0.02347	2.2137	1.1034	0.02343	1.1269
Onsite	0.1725	0.7475	7.1557	0.0141	2.1008	0.023	2.1238	1.0797	0.023	1.1027
Offsite	0.0326	0.0226	0.2707	0.00075	0.0894	0.00047	0.0899	0.0237	0.00043	0.0242
Building Const	0.2043	0.9637	8.2825	0.01392	0.1902	0.02302	0.2132	0.0514	0.0228	0.0742
Onsite	0.1397	0.6052	7.7261	0.0114	0	0.0186	0.0186	0	0.0186	0.0186
Offsite	0.0646	0.3585	0.5564	0.00252	0.1902	0.00442	0.1946	0.0514	0.0042	0.0556
Paving	0.1851	0.5359	7.5119	0.01081	0.2012	0.01596	0.2172	0.0534	0.01587	0.0692
Onsite	0.1119	0.4851	6.9028	0.00913	0	0.0149	0.0149	0	0.0149	0.0149
Offsite	0.0732	0.0508	0.6091	0.00168	0.2012	0.00106	0.2023	0.0534	0.00097	0.0543
Architectural Coat	74.2019	0.13726	1.9339	0.00325	0.0335	0.00414	0.03766	0.00889	0.00412	0.01302
Onsite	74.1897	0.1288	1.8324	0.00297	0	0.00396	0.00396	0	0.00396	0.00396
Offsite	0.0122	0.00846	0.1015	0.00028	0.0335	0.00018	0.0337	0.00889	0.00016	0.00906
Max Daily (lbs/day)										
Onsite	74.4413	0.5747	16.4613	0.0235	2.1008	0.03746	2.1238	1.0797	0.03746	1.1027
Offsite	0.15	1.2684	1.267	0.00448	0.0894	0.00566	0.0899	0.0237	0.00533	0.0242
Max Daily	74.5913	1.8431	17.7283	0.02798	2.1902	0.04312	2.2137	1.1034	0.04279	1.1269

Montclair General Plan Update
Mitigated Office
Winter

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					0.8016	0	0.8016	0.1214	0	0.1214
Off-Road	0.1326	0.5747	7.8509	0.012		0.0177	0.0177		0.0177	0.0177
Hauling	0.0314	1.2402	0.3152	5.10E-03	0.1518	0.0124	0.1642	0.0416	0.0119	0.0535
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0407	0.0282	0.3384	9.30E-04	0.1118	5.90E-04	0.1124	0.0296	5.40E-04	0.0302
Total	0.2047	1.8431	8.5045	0.01803	1.0652	0.03069	1.0959	0.1926	0.03014	0.2228

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					2.1008	0	2.1008	1.0797	0	1.0797
Off-Road	0.1725	0.7475	7.1557	0.0141		0.023	0.023		0.023	0.023
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0326	0.0226	0.2707	7.50E-04	0.0894	4.70E-04	0.0899	0.0237	4.30E-04	0.0242
Total	0.2051	0.7701	7.4264	0.01485	2.1902	0.02347	2.2137	1.1034	0.02343	1.1269

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0117	0.3218	0.1165	1.31E-03	0.0449	3.66E-03	0.0485	0.0129	3.50E-03	0.0164
Worker	0.0529	0.0367	0.4399	1.21E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	0.2043	0.9637	8.2825	0.01392	0.1902	0.02302	0.2132	0.0514	0.0228	0.0742

Montclair General Plan Update
Mitigated Office
Winter

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.1119	0.4851	6.9028	9.13E-03		0.0149	0.0149		0.0149	0.0149
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0732	0.0508	0.6091	1.68E-03	0.2012	1.06E-03	0.2023	0.0534	9.70E-04	0.0543
Total	0.1851	0.5359	7.5119	0.01081	0.2012	0.01596	0.2172	0.0534	0.01587	0.0692

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	74.16					0	0		0	0
Off-Road	0.0297	0.1288	1.8324	2.97E-03		3.96E-03	3.96E-03		3.96E-03	3.96E-03
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0122	8.46E-03	0.1015	2.80E-04	0.0335	1.80E-04	0.0337	8.89E-03	1.60E-04	9.06E-03
Total	74.2019	0.13726	1.9339	0.00325	0.0335	0.00414	0.03766	0.00889	0.00412	0.01302

**Montclair General Plan Update
Mitigated Office
Summer**

Max Daily Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Demolition	0.2078	1.7827	8.5711	0.01813	1.0652	0.03069	1.0959	0.1926	0.03014	0.2228
Onsite	0.1326	0.5747	7.8509	0.012	0.8016	0.0177	0.8193	0.1214	0.0177	0.1391
Offsite	0.0752	1.208	0.7202	0.00613	0.2636	0.01299	0.2766	0.0712	0.01244	0.0837
Grading	0.2064	0.769	7.4853	0.01493	2.1902	0.02347	2.2137	1.1034	0.02343	1.1269
Onsite	0.1725	0.7475	7.1557	0.0141	2.1008	0.023	2.1238	1.0797	0.023	1.1027
Offsite	0.0339	0.0215	0.3296	0.00083	0.0894	0.00047	0.0899	0.0237	0.00043	0.0242
Building Const	0.207	0.9466	8.3742	0.01405	0.1902	0.02301	0.2132	0.0514	0.02279	0.0742
Onsite	0.1397	0.6052	7.7261	0.0114	0	0.0186	0.0186	0	0.0186	0.0186
Offsite	0.0673	0.3414	0.6481	0.00265	0.1902	0.00441	0.1946	0.0514	0.00419	0.0556
Paving	0.1881	0.5334	7.6443	0.01099	0.2012	0.01596	0.2172	0.0534	0.01587	0.0692
Onsite	0.1119	0.4851	6.9028	0.00913	0	0.0149	0.0149	0	0.0149	0.0149
Offsite	0.0762	0.0483	0.7415	0.00186	0.2012	0.00106	0.2023	0.0534	0.00097	0.0543
Architectural Coat	74.2024	0.13685	1.956	0.00328	0.0335	0.00414	0.03766	0.00889	0.00412	0.01302
Onsite	74.1897	0.1288	1.8324	0.00297	0	0.00396	0.00396	0	0.00396	0.00396
Offsite	0.0127	0.00805	0.1236	0.00031	0.0335	0.00018	0.0337	0.00889	0.00016	0.00906
Max Daily (lbs/day)										
Onsite	74.4413	0.5747	16.4613	0.0235	2.1008	0.03746	2.1238	1.0797	0.03746	1.1027
Offsite	0.1562	1.208	1.5132	0.00482	0.0894	0.00565	0.0899	0.0237	0.00532	0.0242
Max Daily	74.5975	1.7827	17.9745	0.02832	2.1902	0.04311	2.2137	1.1034	0.04278	1.1269

Montclair General Plan Update
Mitigated Office
Summer

Demolition

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					0.8016	0	0.8016	0.1214	0	0.1214
Off-Road	0.1326	0.5747	7.8509	0.012		0.0177	0.0177		0.0177	0.0177
Hauling	0.0328	1.1812	0.3082	5.10E-03	0.1518	0.0124	0.1642	0.0416	0.0119	0.0535
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0424	0.0268	0.412	1.03E-03	0.1118	5.90E-04	0.1124	0.0296	5.40E-04	0.0302
Total	0.2078	1.7827	8.5711	0.01813	1.0652	0.03069	1.0959	0.1926	0.03014	0.2228

Grading

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust					2.1008	0	2.1008	1.0797	0	1.0797
Off-Road	0.1725	0.7475	7.1557	0.0141		0.023	0.023		0.023	0.023
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0339	0.0215	0.3296	8.30E-04	0.0894	4.70E-04	0.0899	0.0237	4.30E-04	0.0242
Total	0.2064	0.769	7.4853	0.01493	2.1902	0.02347	2.2137	1.1034	0.02343	1.1269

Building Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Fugitive Dust										
Off-Road	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0.0122	0.3065	0.1125	1.31E-03	0.0449	3.65E-03	0.0485	0.0129	3.49E-03	0.0164
Worker	0.0551	0.0349	0.5356	1.34E-03	0.1453	7.60E-04	0.1461	0.0385	7.00E-04	0.0392
Total	0.207	0.9466	8.3742	0.01405	0.1902	0.02301	0.2132	0.0514	0.02279	0.0742

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Mitigated Office
Summer

Paving

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Off-Road	0.1119	0.4851	6.9028	9.13E-03		0.0149	0.0149		0.0149	0.0149
Paving	0					0	0		0	0
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0762	0.0483	0.7415	1.86E-03	0.2012	1.06E-03	0.2023	0.0534	9.70E-04	0.0543
Total	0.1881	0.5334	7.6443	0.01099	0.2012	0.01596	0.2172	0.0534	0.01587	0.0692

Architectural Coating

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Arch. Coat	74.16					0	0		0	0
Off-Road	0.0297	0.1288	1.8324	2.97E-03		3.96E-03	3.96E-03		3.96E-03	3.96E-03
Hauling	0	0	0	0	0	0	0	0	0	0
Vendor	0	0	0	0	0	0	0	0	0	0
Worker	0.0127	8.05E-03	0.1236	3.10E-04	0.0335	1.80E-04	0.0337	8.89E-03	1.60E-04	9.06E-03
Total	74.2024	0.13685	1.956	0.00328	0.0335	0.00414	0.03766	0.00889	0.00412	0.01302

Operations

Montclair General Plan Update Unmitigated Regional Operational Emissions

Daily Unmitigated Operational Emissions - Net Regional

Emissions Source	Estimated Emissions (lbs/day)					
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
<i>Existing</i>						
Area	4,613	243	6,628	15	861	861
Energy	16	142	88	1	11	11
Mobile	1,459	1,715	10,487	19	1,735	477
Project Total	6,088	2,099	17,203	35	2,607	1,349
<i>Existing + Plan</i>						
Area	4,874	363	7,299	15	873	873
Energy	20	178	107	1	14	14
Mobile	944	1,089	8,991	21	2,816	758
Project Total	5,838	1,630	16,397	37	3,703	1,645
Net Daily	-250	-469	-806	3	1,096	296
<i>SCAQMD Thresholds</i>	<i>55</i>	<i>55</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
Threshold Exceeded?	No	No	No	No	Yes	Yes

Unmitigated Operational Regional Emissions - Growth by Land Use

Emissions Source	Estimated Emissions (lbs/day)					
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Hotel	3	4	18	0	4	1
Industrial	5	4	28	0	7	2
Office	3	3	21	0	5	1
Residential	38	137	250	1	46	19
<i>SCAQMD Thresholds</i>	<i>55</i>	<i>55</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
Threshold Exceeded?	No	Yes	No	No	No	No

Unmitigated Local Daily Operational Emissions

Emissions Source	Estimated Emissions (lbs/day)				
	NO _x	CO	PM ₁₀	PM _{2.5}	acre
Hotel	1	1	0	0.09	1.67
Industrial	0	0	0	0.01	2.91
Office	0	0	0	0.003	0.91
Residential	115	90	9	9	13.2

Montclair General Plan Update Mitigated Regional Operational Emissions

Daily Mitigated Operational Emissions - Net Regional

Emissions Source	Estimated Emissions (lbs/day)					
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
<i>Existing</i>						
Area	4,613	243	6,628	15	861	861
Energy	16	142	88	1	11	11
Mobile	1,459	1,715	10,487	19	1,735	477
Project Total	6,088	2,099	17,203	35	2,607	1,349
<i>Existing + Plan</i>						
Area	4,861	250	7,251	15	864	864
Energy	20	178	107	1	14	14
Mobile	944	1,089	8,991	21	2,816	758
Project Total	5,825	1,518	16,349	36	3,694	1,636
Net Daily	-263	-582	-854	2	1,087	287
<i>SCAQMD Thresholds</i>	<i>55</i>	<i>55</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
Threshold Exceeded?	Yes	Yes	Yes	No	Yes	Yes

Mitigated Operational Regional Emissions - Growth by Land Use

Emissions Source	Estimated Emissions (lbs/day)					
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Hotel	3	4	18	0	4	1
Industrial	5	4	28	0	7	2
Office	3	3	21	0	5	1
Residential	25	24	202	0	37	10
<i>SCAQMD Thresholds</i>	<i>55</i>	<i>55</i>	<i>550</i>	<i>150</i>	<i>150</i>	<i>55</i>
Threshold Exceeded?	No	No	No	No	No	No

Mitigated Local Daily Operational Emissions

Emissions Source	Estimated Emissions (lbs/day)				
	NO _x	CO	PM ₁₀	PM _{2.5}	acre
Hotel	1	1	0	0.09	1.67
Industrial	0	0	0	0.01	2.91
Office	0	0	0	0.003	0.91
Residential	2	43	0.38	0.38	13.2

Montclair General Plan Update

Operational CalEEMod Compiled - Winter

Existing - Unmitigated Operational - Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	4,613.47	243.1251	6,627.75	14.5797		860.675	860.675		860.675	860.675
Energy	16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199
Mobile	1,236.98	1,714.54	9,624.88	17.853	1,713.79	21.5313	1,735.32	457.2067	20.2607	477.4674
Total	5,866.55	2,099.16	16,340.25	33.3106	1,713.79	893.3262	2,607.12	457.2067	892.0556	1,349.26

Buildout 2040 - Unmitigated Operational - Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	5,077.96	393.053	9,150.27	21.3924		1,176.34	1,176.34		1,176.34	1,176.34
Energy	17.6209	154.3896	92.024	0.9611		12.1744	12.1744		12.1744	12.1744
Mobile	806.4313	1,088.97	8,231.49	19.2529	2,804.94	11.0874	2,816.03	747.6452	10.3996	758.0448
Total	5,902.02	1,636.41	17,473.78	41.6064	2,804.94	1,199.60	4,004.54	747.6452	1,198.91	1,946.56

Montclair General Plan Update Operational CalEEMod Compiled - Winter

Hotel - Growth

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	1.6223	5.00E-05	5.10E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05
Energy	0.1275	1.1595	0.974	6.96E-03		0.0881	0.0881		0.0881	0.0881
Mobile	1.4203	2.4271	15.445	0.0361	3.8178	0.0294	3.8472	1.0183	0.0275	1.0458
Total	3.1702	3.5866	16.4241	0.043	3.8178	0.1175	3.9353	1.0183	0.1156	1.1339

Industrial - Growth

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	2.5092	1.20E-04	0.0129	0		5.00E-05	5.00E-05		5.00E-05	5.00E-05
Energy	0.0128	0.1167	0.098	7.00E-04		8.87E-03	8.87E-03		8.87E-03	8.87E-03
Mobile	1.9657	3.8648	24.6502	0.0609	6.4995	0.0487	6.5482	1.7335	0.0456	1.7791
Total	4.4877	3.9816	24.7611	0.0616	6.4995	0.0576	6.5572	1.7335	0.0545	1.7881

Office - Growth

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	0.7924	4.00E-05	4.08E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05
Energy	4.05E-03	0.0369	0.031	2.20E-04		2.80E-03	2.80E-03		2.80E-03	2.80E-03
Mobile	1.5709	2.9267	18.6672	0.0452	4.8045	0.0364	4.8408	1.2814	0.0341	1.3155
Total	2.3673	2.9636	18.7023	0.0454	4.8045	0.0392	4.8436	1.2814	0.0369	1.3183

Montclair General Plan Update

Operational CalEEMod Compiled - Winter

Residential - Growth

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277
Energy	0.215	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486
Mobile	11.5086	21.7837	138.8089	0.3383	36.0265	0.2716	36.298	9.6088	0.2543	9.8632
Total	37.034	136.6133	229.2227	1.0704	36.0265	9.7478	45.7743	9.6088	9.7306	19.3394

Residential - Growth (Mitigated)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	12.1441	0.4813	41.7549	0.0022	0	0.2311	0.2311	0	0.2311	0.2311
Energy	0.215	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486
Mobile	11.5086	21.7837	138.8089	0.3383	36.0265	0.2716	36.298	9.6088	0.2543	9.8632
Total	23.8677	24.1024	181.3457	0.3522	36.0265	0.6513	36.6777	9.6088	0.634	10.2429

Hearth	13.1662	112.5109	47.877	0.7182		9.0966	9.0966		9.0966	9.0966
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Montclair General Plan Update

Operational CalEEMod Compiled - Summer

Existing - Unmitigated Operational - Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	4,613.47	243.1251	6,627.75	14.5797		860.675	860.675		860.675	860.675
Energy	16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199
Mobile	1,458.81	1,621.59	10,487.49	19.2222	1,713.79	21.4958	1,735.29	457.2067	20.2267	477.4334
Total	6,088.38	2,006.22	17,202.86	34.6798	1,713.79	893.2906	2,607.08	457.2067	892.0216	1,349.23

Buildout 2040 - Unmitigated Operational - Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	5,077.96	393.053	9,150.27	21.3924		1,176.34	1,176.34		1,176.34	1,176.34
Energy	17.6209	154.3896	92.024	0.9611		12.1744	12.1744		12.1744	12.1744
Mobile	944.0582	1,019.15	8,991.22	20.7491	2,804.94	11.0743	2,816.02	747.6452	10.387	758.0322
Total	6,039.64	1,566.59	18,233.52	43.1026	2,804.94	1,199.59	4,004.53	747.6452	1,198.90	1,946.54

Montclair General Plan Update Operational CalEEMod Compiled - Summer

Hotel - Growth

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	1.6223	5.00E-05	5.10E-03	0		2.00E-05	2.00E-05		2.00E-05	2.00E-05
Energy	0.1275	1.1595	0.974	6.96E-03		0.0881	0.0881		0.0881	0.0881
Mobile	1.6082	2.2862	17.502	0.0389	3.8178	0.0293	3.8471	1.0183	0.0275	1.0457
Total	3.3581	3.4457	18.4811	0.0459	3.8178	0.1175	3.9353	1.0183	0.1156	1.1339

Industrial - Growth

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	2.5092	1.20E-04	0.0129	0		5.00E-05	5.00E-05		5.00E-05	5.00E-05
Energy	0.0128	0.1167	0.098	7.00E-04		8.87E-03	8.87E-03		8.87E-03	8.87E-03
Mobile	2.1675	3.6413	28.3663	0.0658	6.4995	0.0487	6.5482	1.7335	0.0456	1.7791
Total	4.6895	3.7582	28.4773	0.0665	6.4995	0.0576	6.5571	1.7335	0.0545	1.7881

Office - Growth

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	0.7924	4.00E-05	4.08E-03	0		1.00E-05	1.00E-05		1.00E-05	1.00E-05
Energy	4.05E-03	0.0369	0.031	2.20E-04		2.80E-03	2.80E-03		2.80E-03	2.80E-03
Mobile	1.7508	2.7572	21.3627	0.0488	4.8045	0.0364	4.8408	1.2814	0.0341	1.3155
Total	2.5472	2.7941	21.3977	0.049	4.8045	0.0392	4.8436	1.2814	0.0369	1.3183

Montclair General Plan Update Operational CalEEMod Compiled - Summer

Residential - Growth

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277
Energy	0.215	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486
Mobile	12.7872	20.5229	159.1055	0.3653	36.0265	0.2714	36.2979	9.6088	0.2542	9.8631
Total	38.3126	135.3525	249.5193	1.0974	36.0265	9.7477	45.7742	9.6088	9.7305	19.3393

Residential - Growth (Mitigated)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
Category	lbs/day									
Area	12.1441	0.4813	41.7549	0.0022	0	0.2311	0.2311	0	0.2311	0.2311
Energy	0.215	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486
Mobile	12.7872	20.5229	159.1055	0.3653	36.0265	0.2714	36.2979	9.6088	0.2542	9.8631
Total	25.1463	22.8416	201.6423	0.3792	36.0265	0.6511	36.6776	9.6088	0.6339	10.2428

Hearth	13.1662	112.5109	47.877	0.7182		9.0966	9.0966		9.0966	9.0966
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Greenhouse Gas

Montclair General Plan Update Unmitigated GHG Emissions

Unmitigated Construction Annual Emissions MT CO₂e/year

	Annual	Total
Hotel	319	1,914
Industrial/Flex	402	6,030
Office	158	2,363
Residential	897	13,449
Total		23,757
Amortized		792

Table 8 Combined Annual Emissions MT CO₂e/year

	2017	2040	2050
Construction		792	792
BAU	283,074	354,216	378,035
Adjusted (State Measures)		234,197	232,091
(reductions from CAP)		66,115	145,203
Total Emissions		168,874	87,680
Population		51,414	53,156
		3.3	1.6

Construction CalEEMod Output

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

Montclair - Hotel Growth
San Bernardino-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	50.00	Room	1.67	72,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Modeling of one year of hotel growth.

Land Use - See Assumptions

Construction Phase - Phases length adjusted to fit an annual construction schedule.

Off-road Equipment - Default equipment used for all phases.

Trips and VMT - Defaults used

Demolition - Assumes replacement of same size building.

Grading - CalEEMod Default

Vehicle Trips - See Assumptions

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

Construction Off-road Equipment Mitigation - Mitigation for equipment added but may not be used depending on unmitigated results. Fugitive Dust supports

[illegible]

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	4.00	5.00
tblConstructionPhase	NumDays	200.00	232.00
tblConstructionPhase	NumDays	10.00	12.00
tblConstructionPhase	NumDays	10.00	12.00
tblGrading	AcresOfGrading	5.00	4.00
tblSolidWaste	SolidWasteGenerationRate	27.38	164.25
tblVehicleTrips	CC_TL	8.40	15.23
tblVehicleTrips	CNW_TL	6.90	12.51
tblVehicleTrips	CW_TL	16.60	30.10
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	1,268,338.50	20,914,500.00
tblWater	OutdoorWaterUseRate	140,926.50	10,621,500.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	58.8438	21.3752	25.2038	0.0454	6.9823	1.0272	7.7251	3.4315	0.9797	4.1149	0.0000	4,286.5058	4,286.5058	0.7980	0.1492	4,320.9992
Maximum	58.8438	21.3752	25.2038	0.0454	6.9823	1.0272	7.7251	3.4315	0.9797	4.1149	0.0000	4,286.5058	4,286.5058	0.7980	0.1492	4,320.9992

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					
2022	56.5882	3.3078	18.1186	0.0338	2.6573	0.0588	2.6915	1.2900	0.0579	1.3242	0.0000	3,366.6077	3,366.6077	0.6939	0.1492	3,426.9514
Maximum	56.5882	3.3078	18.1186	0.0338	2.6573	0.0588	2.6915	1.2900	0.0579	1.3242	0.0000	3,366.6077	3,366.6077	0.6939	0.1492	3,426.9514

	ROG	NOx	CO	SO2	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	3.83	84.53	28.11	25.55	61.94	94.27	65.16	62.41	94.09	67.82	0.00	21.46	21.46	13.04	0.00	20.69

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6223	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Energy	0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611
Mobile	1.4203	2.4271	15.4450	0.0361	3.8178	0.0294	3.8472	1.0183	0.0275	1.0458		3,716.1406	3,716.1406	0.2009	0.1811	3,775.1331
Total	3.1702	3.5866	16.4241	0.0430	3.8178	0.1175	3.9353	1.0183	0.1156	1.1339		5,107.5442	5,107.5442	0.2276	0.2066	5,174.8058

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6223	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Energy	0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611
Mobile	1.4203	2.4271	15.4450	0.0361	3.8178	0.0294	3.8472	1.0183	0.0275	1.0458		3,716.1406	3,716.1406	0.2009	0.1811	3,775.1331
Total	3.1702	3.5866	16.4241	0.0430	3.8178	0.1175	3.9353	1.0183	0.1156	1.1339		5,107.5442	5,107.5442	0.2276	0.2066	5,174.8058

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	2/2/2022	5	23	
2	Grading	Grading	2/3/2022	2/9/2022	5	5	
3	Building Construction	Building Construction	2/10/2022	12/30/2022	5	232	
4	Paving	Paving	2/10/2022	2/25/2022	5	12	
5	Architectural Coating	Architectural Coating	2/10/2022	2/25/2022	5	12	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 108,900; Non-Residential Outdoor: 36,300; Striped Parking Area: 0 (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

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	330.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	30.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

3.2 Demolition - 2022

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					3.1071	0.0000	3.1071	0.4705	0.0000	0.4705			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	3.1071	0.8379	3.9450	0.4705	0.7829	1.2533		2,323.4168	2,323.4168	0.5921		2,338.2191

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	0.0520	2.0532	0.5217	8.4500e-003	0.2513	0.0206	0.2718	0.0689	0.0197	0.0886		919.6143	919.6143	0.0392	0.1457	964.0226
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	0.0529	0.0367	0.4399	1.2100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		123.5766	123.5766	3.5400e-003	3.5100e-003	124.7097
Total	0.1049	2.0899	0.9617	9.6600e-003	0.3966	0.0213	0.4179	0.1074	0.0204	0.1278		1,043.1908	1,043.1908	0.0428	0.1492	1,088.7323

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1512	0.0000	1.1512	0.1743	0.0000	0.1743			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	1.1512	0.0375	1.1887	0.1743	0.0375	0.2118	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

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	0.0520	2.0532	0.5217	8.4500e-003	0.2513	0.0206	0.2718	0.0689	0.0197	0.0886		919.6143	919.6143	0.0392	0.1457	964.0226
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	0.0529	0.0367	0.4399	1.2100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		123.5766	123.5766	3.5400e-003	3.5100e-003	124.7097
Total	0.1049	2.0899	0.9617	9.6600e-003	0.3966	0.0213	0.4179	0.1074	0.0204	0.1278		1,043.1908	1,043.1908	0.0428	0.1492	1,088.7323

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

3.3 Grading - 2022

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					6.8705	0.0000	6.8705	3.4018	0.0000	3.4018			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	1.5403	16.9836	9.2202	0.0206	6.8705	0.7423	7.6128	3.4018	0.6829	4.0847		1,995.4825	1,995.4825	0.6454		2,011.6169

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	0.0407	0.0282	0.3384	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		95.0589	95.0589	2.7200e-003	2.7000e-003	95.9306
Total	0.0407	0.0282	0.3384	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		95.0589	95.0589	2.7200e-003	2.7000e-003	95.9306

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

3.3 Grading - 2022

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					2.5455	0.0000	2.5455	1.2604	0.0000	1.2604			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	0.2522	1.0927	10.9071	0.0206	2.5455	0.0336	2.5791	1.2604	0.0336	1.2940	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169

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	0.0407	0.0282	0.3384	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		95.0589	95.0589	2.7200e-003	2.7000e-003	95.9306
Total	0.0407	0.0282	0.3384	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		95.0589	95.0589	2.7200e-003	2.7000e-003	95.9306

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2022

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	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

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	0.0201	0.5516	0.1996	2.2400e-003	0.0769	6.2700e-003	0.0832	0.0221	6.0000e-003	0.0281		240.3474	240.3474	6.4500e-003	0.0356	251.1144
Worker	0.1221	0.0846	1.0152	2.8000e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906		285.1767	285.1767	8.1700e-003	8.0900e-003	287.7917
Total	0.1422	0.6363	1.2148	5.0400e-003	0.4122	8.0300e-003	0.4202	0.1111	7.6200e-003	0.1187		525.5241	525.5241	0.0146	0.0437	538.9061

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2022

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	0.0958	0.4150	4.5772	7.8100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	756.0751	756.0751	0.2445		762.1884
Total	0.0958	0.4150	4.5772	7.8100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	756.0751	756.0751	0.2445		762.1884

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	0.0201	0.5516	0.1996	2.2400e-003	0.0769	6.2700e-003	0.0832	0.0221	6.0000e-003	0.0281		240.3474	240.3474	6.4500e-003	0.0356	251.1144
Worker	0.1221	0.0846	1.0152	2.8000e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906		285.1767	285.1767	8.1700e-003	8.0900e-003	287.7917
Total	0.1422	0.6363	1.2148	5.0400e-003	0.4122	8.0300e-003	0.4202	0.1111	7.6200e-003	0.1187		525.5241	525.5241	0.0146	0.0437	538.9061

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2022****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	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.378 ₉	1,297.378 ₉	0.4113		1,307.660 ₈
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.378₉	1,297.378₉	0.4113		1,307.660₈

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	0.0529	0.0367	0.4399	1.2100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		123.5766	123.5766	3.5400e-003	3.5100e-003	124.7097
Total	0.0529	0.0367	0.4399	1.2100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		123.5766	123.5766	3.5400e-003	3.5100e-003	124.7097

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

3.5 Paving - 2022

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	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.378 ₉	1,297.378 ₉	0.4113		1,307.660 ₈
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.378₉	1,297.378₉	0.4113		1,307.660₈

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	0.0529	0.0367	0.4399	1.2100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		123.5766	123.5766	3.5400e-003	3.5100e-003	124.7097
Total	0.0529	0.0367	0.4399	1.2100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		123.5766	123.5766	3.5400e-003	3.5100e-003	124.7097

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

3.6 Architectural Coating - 2022

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	56.0835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	56.2880	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0244	0.0169	0.2030	5.6000e-004	0.0671	3.5000e-004	0.0674	0.0178	3.2000e-004	0.0181		57.0353	57.0353	1.6300e-003	1.6200e-003	57.5583
Total	0.0244	0.0169	0.2030	5.6000e-004	0.0671	3.5000e-004	0.0674	0.0178	3.2000e-004	0.0181		57.0353	57.0353	1.6300e-003	1.6200e-003	57.5583

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

3.6 Architectural Coating - 2022

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	56.0835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	56.1132	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0244	0.0169	0.2030	5.6000e-004	0.0671	3.5000e-004	0.0674	0.0178	3.2000e-004	0.0181		57.0353	57.0353	1.6300e-003	1.6200e-003	57.5583
Total	0.0244	0.0169	0.2030	5.6000e-004	0.0671	3.5000e-004	0.0674	0.0178	3.2000e-004	0.0181		57.0353	57.0353	1.6300e-003	1.6200e-003	57.5583

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.4203	2.4271	15.4450	0.0361	3.8178	0.0294	3.8472	1.0183	0.0275	1.0458		3,716.1406	3,716.1406	0.2009	0.1811	3,775.1331
Unmitigated	1.4203	2.4271	15.4450	0.0361	3.8178	0.0294	3.8472	1.0183	0.0275	1.0458		3,716.1406	3,716.1406	0.2009	0.1811	3,775.1331

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	418.00	409.50	297.50	1,728,258	1,728,258
Total	418.00	409.50	297.50	1,728,258	1,728,258

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
Hotel	30.10	15.23	12.51	19.40	61.60	19.00	58	38	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611
NaturalGas Unmitigated	0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611

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					
Hotel	11826.8	0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611
Total		0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	11.8268	0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611
Total		0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	1.6223	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Unmitigated	1.6223	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

6.2 Area by SubCategory

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	0.1844					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4375					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Total	1.6223	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1844					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4375					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Total	1.6223	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

7.0 Water Detail

7.1 Mitigation Measures Water

Montclair - Hotel Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

Montclair - Hotel Growth
San Bernardino-South Coast County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	50.00	Room	1.67	72,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Modeling of one year of hotel growth.

Land Use - See Assumptions

Construction Phase - Phases length adjusted to fit an annual construction schedule.

Off-road Equipment - Default equipment used for all phases.

Trips and VMT - Defaults used

Demolition - Assumes replacement of same size building.

Grading - CalEEMod Default

Vehicle Trips - See Assumptions

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

Construction Off-road Equipment Mitigation - Mitigation for equipment added but may not be used depending on unmitigated results. Fugitive Dust supports

[illegible]

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	4.00	5.00
tblConstructionPhase	NumDays	200.00	232.00
tblConstructionPhase	NumDays	10.00	12.00
tblConstructionPhase	NumDays	10.00	12.00
tblGrading	AcresOfGrading	5.00	4.00
tblSolidWaste	SolidWasteGenerationRate	27.38	164.25
tblVehicleTrips	CC_TL	8.40	15.23
tblVehicleTrips	CNW_TL	6.90	12.51
tblVehicleTrips	CW_TL	16.60	30.10
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	1,268,338.50	20,914,500.00
tblWater	OutdoorWaterUseRate	140,926.50	10,621,500.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	58.8528	21.3422	25.5575	0.0459	6.9823	1.0272	7.7251	3.4315	0.9797	4.1149	0.0000	4,334.740 7	4,334.740 7	0.7981	0.1490	4,369.093 7
Maximum	58.8528	21.3422	25.5575	0.0459	6.9823	1.0272	7.7251	3.4315	0.9797	4.1149	0.0000	4,334.740 7	4,334.740 7	0.7981	0.1490	4,369.093 7

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					
2022	56.5972	3.2083	18.4723	0.0339	2.6573	0.0588	2.6915	1.2900	0.0578	1.3242	0.0000	3,378.788 8	3,378.788 8	0.6940	0.1490	3,439.070 2
Maximum	56.5972	3.2083	18.4723	0.0339	2.6573	0.0588	2.6915	1.2900	0.0578	1.3242	0.0000	3,378.788 8	3,378.788 8	0.6940	0.1490	3,439.070 2

	ROG	NOx	CO	SO2	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	3.83	84.97	27.72	26.08	61.94	94.28	65.16	62.41	94.10	67.82	0.00	22.05	22.05	13.04	0.00	21.29

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6223	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Energy	0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611
Mobile	1.6082	2.2862	17.5020	0.0389	3.8178	0.0293	3.8471	1.0183	0.0275	1.0457		4,007.9776	4,007.9776	0.1980	0.1768	4,065.5975
Total	3.3581	3.4457	18.4811	0.0459	3.8178	0.1175	3.9353	1.0183	0.1156	1.1339		5,399.3812	5,399.3812	0.2247	0.2023	5,465.2703

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.6223	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Energy	0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611
Mobile	1.6082	2.2862	17.5020	0.0389	3.8178	0.0293	3.8471	1.0183	0.0275	1.0457		4,007.9776	4,007.9776	0.1980	0.1768	4,065.5975
Total	3.3581	3.4457	18.4811	0.0459	3.8178	0.1175	3.9353	1.0183	0.1156	1.1339		5,399.3812	5,399.3812	0.2247	0.2023	5,465.2703

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	2/2/2022	5	23	
2	Grading	Grading	2/3/2022	2/9/2022	5	5	
3	Building Construction	Building Construction	2/10/2022	12/30/2022	5	232	
4	Paving	Paving	2/10/2022	2/25/2022	5	12	
5	Architectural Coating	Architectural Coating	2/10/2022	2/25/2022	5	12	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 4****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 108,900; Non-Residential Outdoor: 36,300; Striped Parking Area: 0 (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

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	330.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	30.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 2022****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					3.1071	0.0000	3.1071	0.4705	0.0000	0.4705			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	3.1071	0.8379	3.9450	0.4705	0.7829	1.2533		2,323.4168	2,323.4168	0.5921		2,338.2191

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	0.0543	1.9555	0.5102	8.4400e-003	0.2513	0.0205	0.2718	0.0689	0.0197	0.0886		918.9282	918.9282	0.0394	0.1456	963.3068
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	0.0551	0.0349	0.5356	1.3400e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		136.4438	136.4438	3.5500e-003	3.4000e-003	137.5444
Total	0.1093	1.9904	1.0458	9.7800e-003	0.3966	0.0213	0.4179	0.1074	0.0204	0.1278		1,055.3720	1,055.3720	0.0429	0.1490	1,100.8512

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1512	0.0000	1.1512	0.1743	0.0000	0.1743			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	1.1512	0.0375	1.1887	0.1743	0.0375	0.2118	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

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	0.0543	1.9555	0.5102	8.4400e-003	0.2513	0.0205	0.2718	0.0689	0.0197	0.0886		918.9282	918.9282	0.0394	0.1456	963.3068
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	0.0551	0.0349	0.5356	1.3400e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		136.4438	136.4438	3.5500e-003	3.4000e-003	137.5444
Total	0.1093	1.9904	1.0458	9.7800e-003	0.3966	0.0213	0.4179	0.1074	0.0204	0.1278		1,055.3720	1,055.3720	0.0429	0.1490	1,100.8512

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****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					6.8705	0.0000	6.8705	3.4018	0.0000	3.4018			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	1.5403	16.9836	9.2202	0.0206	6.8705	0.7423	7.6128	3.4018	0.6829	4.0847		1,995.4825	1,995.4825	0.6454		2,011.6169

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	0.0424	0.0268	0.4120	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.9568	104.9568	2.7300e-003	2.6100e-003	105.8034
Total	0.0424	0.0268	0.4120	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.9568	104.9568	2.7300e-003	2.6100e-003	105.8034

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****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					2.5455	0.0000	2.5455	1.2604	0.0000	1.2604			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	0.2522	1.0927	10.9071	0.0206	2.5455	0.0336	2.5791	1.2604	0.0336	1.2940	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169

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	0.0424	0.0268	0.4120	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.9568	104.9568	2.7300e-003	2.6100e-003	105.8034
Total	0.0424	0.0268	0.4120	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.9568	104.9568	2.7300e-003	2.6100e-003	105.8034

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

3.4 Building Construction - 2022

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	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
Total	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581

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	0.5255	0.1929	2.2400e-003	0.0769	6.2500e-003	0.0831	0.0221	5.9800e-003	0.0281		240.0826	240.0826	6.4900e-003	0.0355	250.8322
Worker	0.1271	0.0805	1.2359	3.1000e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906		314.8704	314.8704	8.1900e-003	7.8400e-003	317.4101
Total	0.1480	0.6060	1.4287	5.3400e-003	0.4122	8.0100e-003	0.4202	0.1111	7.6000e-003	0.1187		554.9530	554.9530	0.0147	0.0434	568.2423

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

3.4 Building Construction - 2022

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	0.0958	0.4150	4.5772	7.8100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	756.0751	756.0751	0.2445		762.1884
Total	0.0958	0.4150	4.5772	7.8100e-003		0.0128	0.0128		0.0128	0.0128	0.0000	756.0751	756.0751	0.2445		762.1884

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	0.5255	0.1929	2.2400e-003	0.0769	6.2500e-003	0.0831	0.0221	5.9800e-003	0.0281		240.0826	240.0826	6.4900e-003	0.0355	250.8322
Worker	0.1271	0.0805	1.2359	3.1000e-003	0.3353	1.7600e-003	0.3371	0.0889	1.6200e-003	0.0906		314.8704	314.8704	8.1900e-003	7.8400e-003	317.4101
Total	0.1480	0.6060	1.4287	5.3400e-003	0.4122	8.0100e-003	0.4202	0.1111	7.6000e-003	0.1187		554.9530	554.9530	0.0147	0.0434	568.2423

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2022****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	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.378 ₉	1,297.378 ₉	0.4113		1,307.660 ₈
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.378₉	1,297.378₉	0.4113		1,307.660₈

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	0.0551	0.0349	0.5356	1.3400e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		136.4438	136.4438	3.5500e-003	3.4000e-003	137.5444
Total	0.0551	0.0349	0.5356	1.3400e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		136.4438	136.4438	3.5500e-003	3.4000e-003	137.5444

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

3.5 Paving - 2022

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	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.378 ₉	1,297.378 ₉	0.4113		1,307.660 ₈
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1598	0.6922	9.8512	0.0135		0.0213	0.0213		0.0213	0.0213	0.0000	1,297.378₉	1,297.378₉	0.4113		1,307.660₈

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	0.0551	0.0349	0.5356	1.3400e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		136.4438	136.4438	3.5500e-003	3.4000e-003	137.5444
Total	0.0551	0.0349	0.5356	1.3400e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		136.4438	136.4438	3.5500e-003	3.4000e-003	137.5444

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

3.6 Architectural Coating - 2022

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	56.0835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	56.2880	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.0254	0.0161	0.2472	6.2000e-004	0.0671	3.5000e-004	0.0674	0.0178	3.2000e-004	0.0181		62.9741	62.9741	1.6400e-003	1.5700e-003	63.4820
Total	0.0254	0.0161	0.2472	6.2000e-004	0.0671	3.5000e-004	0.0674	0.0178	3.2000e-004	0.0181		62.9741	62.9741	1.6400e-003	1.5700e-003	63.4820

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

3.6 Architectural Coating - 2022

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	56.0835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	56.1132	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.0254	0.0161	0.2472	6.2000e-004	0.0671	3.5000e-004	0.0674	0.0178	3.2000e-004	0.0181		62.9741	62.9741	1.6400e-003	1.5700e-003	63.4820
Total	0.0254	0.0161	0.2472	6.2000e-004	0.0671	3.5000e-004	0.0674	0.0178	3.2000e-004	0.0181		62.9741	62.9741	1.6400e-003	1.5700e-003	63.4820

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.6082	2.2862	17.5020	0.0389	3.8178	0.0293	3.8471	1.0183	0.0275	1.0457		4,007.9776	4,007.9776	0.1980	0.1768	4,065.5975
Unmitigated	1.6082	2.2862	17.5020	0.0389	3.8178	0.0293	3.8471	1.0183	0.0275	1.0457		4,007.9776	4,007.9776	0.1980	0.1768	4,065.5975

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	418.00	409.50	297.50	1,728,258	1,728,258
Total	418.00	409.50	297.50	1,728,258	1,728,258

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
Hotel	30.10	15.23	12.51	19.40	61.60	19.00	58	38	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.0 Energy Detail**

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611
NaturalGas Unmitigated	0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611

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					
Hotel	11826.8	0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611
Total		0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	11.8268	0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611
Total		0.1275	1.1595	0.9740	6.9600e-003		0.0881	0.0881		0.0881	0.0881		1,391.3928	1,391.3928	0.0267	0.0255	1,399.6611

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	1.6223	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Unmitigated	1.6223	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****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	0.1844					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4375					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Total	1.6223	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1844					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4375					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Total	1.6223	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

7.0 Water Detail

7.1 Mitigation Measures Water

Montclair - Hotel Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**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
----------------	--------

11.0 Vegetation

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Montclair - Industrial/Flex - Growth
San Bernardino-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	126.67	1000sqft	2.91	126,667.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on one year of industrial/flex use

Land Use - See Assumptions

Construction Phase - See Assumptions - Scaled from defaults to fit one year of construction

Off-road Equipment - Defaults used

Trips and VMT - Defaults used

Demolition - Assumes replacement of similar size building

Grading - Defaults used

Vehicle Trips - See Assumptions

Area Coating - Operational Emissions Modeled Separately

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

Construction Off-road Equipment Mitigation - Mitigation for equipment added but may not be used depending on unmitigated results. Fugitive Dust supports Rule 403 compliance

[illegible]

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	220.00	233.00
tblConstructionPhase	NumDays	10.00	11.00
tblConstructionPhase	NumDays	10.00	11.00
tblLandUse	LandUseSquareFeet	126,670.00	126,667.00
tblSolidWaste	SolidWasteGenerationRate	157.07	2,356.00
tblVehicleEF	LDA	0.60	0.60
tblVehicleEF	LDA	2.09	2.09
tblVehicleEF	LDA	256.62	253.45
tblVehicleEF	LDA	52.89	52.23
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.17
tblVehicleEF	LDA	1.3790e-003	1.3750e-003
tblVehicleEF	LDA	1.7810e-003	1.7750e-003
tblVehicleEF	LDA	1.2700e-003	1.2660e-003
tblVehicleEF	LDA	1.6370e-003	1.6320e-003
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.0160e-003	8.0100e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDA	0.74	0.74
tblVehicleEF	LDA	1.74	1.74
tblVehicleEF	LDA	280.21	276.74
tblVehicleEF	LDA	52.21	51.56
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.16	0.16
tblVehicleEF	LDA	1.3790e-003	1.3750e-003
tblVehicleEF	LDA	1.7810e-003	1.7750e-003
tblVehicleEF	LDA	1.2700e-003	1.2660e-003
tblVehicleEF	LDA	1.6370e-003	1.6320e-003
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	9.0940e-003	9.0880e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.17	0.17
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.19	0.19
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	2.06	2.06
tblVehicleEF	LDA	251.09	247.99
tblVehicleEF	LDA	52.83	52.17
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.17

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDA	1.3790e-003	1.3750e-003
tblVehicleEF	LDA	1.7810e-003	1.7750e-003
tblVehicleEF	LDA	1.2700e-003	1.2660e-003
tblVehicleEF	LDA	1.6370e-003	1.6320e-003
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.8090e-003	7.8040e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.22
tblVehicleEF	LDT1	1.27	1.27
tblVehicleEF	LDT1	2.35	2.34
tblVehicleEF	LDT1	304.65	300.86
tblVehicleEF	LDT1	64.36	63.56
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0140e-003	2.0070e-003
tblVehicleEF	LDT1	2.6470e-003	2.6380e-003
tblVehicleEF	LDT1	1.8530e-003	1.8470e-003
tblVehicleEF	LDT1	2.4340e-003	2.4260e-003
tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT1	0.24	0.24
tblVehicleEF	LDT1	0.12	0.12

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.39	0.39
tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT1	0.24	0.24
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.43	0.43
tblVehicleEF	LDT1	1.54	1.54
tblVehicleEF	LDT1	1.95	1.94
tblVehicleEF	LDT1	329.24	325.15
tblVehicleEF	LDT1	63.50	62.71
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.26	0.26
tblVehicleEF	LDT1	2.0140e-003	2.0070e-003
tblVehicleEF	LDT1	2.6470e-003	2.6380e-003
tblVehicleEF	LDT1	1.8530e-003	1.8470e-003
tblVehicleEF	LDT1	2.4340e-003	2.4260e-003
tblVehicleEF	LDT1	0.36	0.36
tblVehicleEF	LDT1	0.30	0.30
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.33	0.33
tblVehicleEF	LDT1	0.36	0.36
tblVehicleEF	LDT1	0.30	0.30
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.04	0.04

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.36	0.36
tblVehicleEF	LDT1	1.21	1.21
tblVehicleEF	LDT1	2.31	2.30
tblVehicleEF	LDT1	298.83	295.11
tblVehicleEF	LDT1	64.28	63.48
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	2.0140e-003	2.0070e-003
tblVehicleEF	LDT1	2.6470e-003	2.6380e-003
tblVehicleEF	LDT1	1.8530e-003	1.8470e-003
tblVehicleEF	LDT1	2.4340e-003	2.4260e-003
tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.39	0.39
tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.42	0.42
tblVehicleEF	LDT2	0.89	0.89
tblVehicleEF	LDT2	2.69	2.68
tblVehicleEF	LDT2	323.22	319.22
tblVehicleEF	LDT2	68.56	67.70
tblVehicleEF	LDT2	0.08	0.08

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4520e-003	1.4480e-003
tblVehicleEF	LDT2	1.8710e-003	1.8650e-003
tblVehicleEF	LDT2	1.3370e-003	1.3330e-003
tblVehicleEF	LDT2	1.7200e-003	1.7150e-003
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.32	0.32
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.35	0.35
tblVehicleEF	LDT2	1.08	1.08
tblVehicleEF	LDT2	2.22	2.22
tblVehicleEF	LDT2	346.91	342.62
tblVehicleEF	LDT2	67.64	66.80
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.26	0.26
tblVehicleEF	LDT2	1.4520e-003	1.4480e-003
tblVehicleEF	LDT2	1.8710e-003	1.8650e-003
tblVehicleEF	LDT2	1.3370e-003	1.3330e-003
tblVehicleEF	LDT2	1.7200e-003	1.7150e-003
tblVehicleEF	LDT2	0.20	0.20
tblVehicleEF	LDT2	0.17	0.17

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.27	0.27
tblVehicleEF	LDT2	0.20	0.20
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.29	0.29
tblVehicleEF	LDT2	0.84	0.84
tblVehicleEF	LDT2	2.64	2.64
tblVehicleEF	LDT2	317.60	313.67
tblVehicleEF	LDT2	68.48	67.63
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4520e-003	1.4480e-003
tblVehicleEF	LDT2	1.8710e-003	1.8650e-003
tblVehicleEF	LDT2	1.3370e-003	1.3330e-003
tblVehicleEF	LDT2	1.7200e-003	1.7150e-003
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.32	0.32
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.08	0.08

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.35	0.35
tblVehicleEF	MDV	1.03	1.03
tblVehicleEF	MDV	3.16	3.15
tblVehicleEF	MDV	403.07	398.16
tblVehicleEF	MDV	85.11	84.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.35	0.35
tblVehicleEF	MDV	1.5480e-003	1.5440e-003
tblVehicleEF	MDV	1.9490e-003	1.9430e-003
tblVehicleEF	MDV	1.4280e-003	1.4240e-003
tblVehicleEF	MDV	1.7920e-003	1.7870e-003
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.41	0.41
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.45	0.45
tblVehicleEF	MDV	1.25	1.25
tblVehicleEF	MDV	2.61	2.60
tblVehicleEF	MDV	428.20	422.98
tblVehicleEF	MDV	84.00	82.96

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.33	0.33
tblVehicleEF	MDV	1.5480e-003	1.5440e-003
tblVehicleEF	MDV	1.9490e-003	1.9430e-003
tblVehicleEF	MDV	1.4280e-003	1.4240e-003
tblVehicleEF	MDV	1.7920e-003	1.7870e-003
tblVehicleEF	MDV	0.23	0.23
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.35	0.35
tblVehicleEF	MDV	0.23	0.23
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.38	0.38
tblVehicleEF	MDV	0.97	0.97
tblVehicleEF	MDV	3.11	3.10
tblVehicleEF	MDV	397.12	392.28
tblVehicleEF	MDV	85.02	83.96
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.35	0.35
tblVehicleEF	MDV	1.5480e-003	1.5440e-003
tblVehicleEF	MDV	1.9490e-003	1.9430e-003
tblVehicleEF	MDV	1.4280e-003	1.4240e-003
tblVehicleEF	MDV	1.7920e-003	1.7870e-003
tblVehicleEF	MDV	0.11	0.11

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.41	0.41
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.45	0.45
tblVehicleTrips	CC_TL	8.40	15.23
tblVehicleTrips	CNW_TL	6.90	12.51
tblVehicleTrips	CW_TL	16.60	30.10
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	29,292,437.50	19,104,683.20
tblWater	OutdoorWaterUseRate	0.00	31,331,680.44
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	110.1039	26.5329	30.8866	0.0571	7.1944	1.2874	7.9372	3.4544	1.2195	4.1378	0.0000	5,451.991 9	5,451.991 9	1.0346	0.2821	5,502.766 4
Maximum	110.1039	26.5329	30.8866	0.0571	7.1944	1.2874	7.9372	3.4544	1.2195	4.1378	0.0000	5,451.991 9	5,451.991 9	1.0346	0.2821	5,502.766 4

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					
2022	107.4752	5.1797	24.2174	0.0422	3.1639	0.0776	3.2415	1.4937	0.0758	1.5279	0.0000	4,205.009 2	4,205.009 2	0.9253	0.2821	4,305.839 5
Maximum	107.4752	5.1797	24.2174	0.0422	3.1639	0.0776	3.2415	1.4937	0.0758	1.5279	0.0000	4,205.009 2	4,205.009 2	0.9253	0.2821	4,305.839 5

	ROG	NOx	CO	SO2	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	2.39	80.48	21.59	26.16	56.02	93.97	59.16	56.76	93.78	63.08	0.00	22.87	22.87	10.57	0.00	21.75

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5092	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Energy	0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702
Mobile	1.9657	3.8648	24.6502	0.0609	6.4995	0.0487	6.5482	1.7335	0.0456	1.7791		6,212.8335	6,212.8335	0.3039	0.2890	6,306.5647
Total	4.4877	3.9816	24.7611	0.0616	6.4995	0.0576	6.5572	1.7335	0.0545	1.7881		6,352.8992	6,352.8992	0.3067	0.2916	6,447.4644

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	2.5092	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Energy	0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702
Mobile	1.9657	3.8648	24.6502	0.0609	6.4995	0.0487	6.5482	1.7335	0.0456	1.7791		6,212.8335	6,212.8335	0.3039	0.2890	6,306.5647
Total	4.4877	3.9816	24.7611	0.0616	6.4995	0.0576	6.5572	1.7335	0.0545	1.7881		6,352.8992	6,352.8992	0.3067	0.2916	6,447.4644

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	1/31/2022	5	21	
2	Grading	Grading	2/1/2022	2/8/2022	5	6	
3	Building Construction	Building Construction	2/9/2022	12/30/2022	5	233	
4	Paving	Paving	2/9/2022	2/23/2022	5	11	
5	Architectural Coating	Architectural Coating	2/9/2022	2/23/2022	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 6

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 190,001; Non-Residential Outdoor: 63,334; Striped Parking Area: 0 (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

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	576.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	53.00	21.00	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
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 2022****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					5.9374	0.0000	5.9374	0.8990	0.0000	0.8990			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	5.9374	0.8379	6.7753	0.8990	0.7829	1.6819		2,323.4168	2,323.4168	0.5921		2,338.2191

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	0.0995	3.9250	0.9974	0.0162	0.4803	0.0393	0.5197	0.1317	0.0376	0.1693		1,758.0158	1,758.0158	0.0750	0.2786	1,842.9107
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	0.0529	0.0367	0.4399	1.2100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		123.5766	123.5766	3.5400e-003	3.5100e-003	124.7097
Total	0.1523	3.9617	1.4373	0.0174	0.6257	0.0401	0.6657	0.1703	0.0383	0.2086		1,881.5924	1,881.5924	0.0786	0.2821	1,967.6204

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

3.2 Demolition - 2022

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					2.5382	0.0000	2.5382	0.3843	0.0000	0.3843			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
Total	0.2811	1.2179	14.7184	0.0241	2.5382	0.0375	2.5757	0.3843	0.0375	0.4218	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191

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	0.0995	3.9250	0.9974	0.0162	0.4803	0.0393	0.5197	0.1317	0.0376	0.1693		1,758.0158	1,758.0158	0.0750	0.2786	1,842.9107
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	0.0529	0.0367	0.4399	1.2100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		123.5766	123.5766	3.5400e-003	3.5100e-003	124.7097
Total	0.1523	3.9617	1.4373	0.0174	0.6257	0.0401	0.6657	0.1703	0.0383	0.2086		1,881.5924	1,881.5924	0.0786	0.2821	1,967.6204

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	1.5403	16.9836	9.2202	0.0206	7.0826	0.7423	7.8249	3.4247	0.6829	4.1076		1,995.4825	1,995.4825	0.6454		2,011.6169

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	0.0407	0.0282	0.3384	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		95.0589	95.0589	2.7200e-003	2.7000e-003	95.9306
Total	0.0407	0.0282	0.3384	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		95.0589	95.0589	2.7200e-003	2.7000e-003	95.9306

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****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					3.0278	0.0000	3.0278	1.4641	0.0000	1.4641			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	0.2522	1.0927	10.9071	0.0206	3.0278	0.0336	3.0614	1.4641	0.0336	1.4977	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169

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	0.0407	0.0282	0.3384	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		95.0589	95.0589	2.7200e-003	2.7000e-003	95.9306
Total	0.0407	0.0282	0.3384	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		95.0589	95.0589	2.7200e-003	2.7000e-003	95.9306

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2022****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	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

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	0.0352	0.9654	0.3494	3.9200e-003	0.1345	0.0110	0.1455	0.0387	0.0105	0.0492		420.6080	420.6080	0.0113	0.0623	439.4502
Worker	0.2156	0.1495	1.7935	4.9500e-003	0.5924	3.1100e-003	0.5955	0.1571	2.8600e-003	0.1600		503.8122	503.8122	0.0144	0.0143	508.4320
Total	0.2508	1.1149	2.1429	8.8700e-003	0.7270	0.0141	0.7411	0.1959	0.0134	0.2092		924.4202	924.4202	0.0257	0.0766	947.8822

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2022

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	0.1323	0.5735	6.3886	0.0108		0.0177	0.0177		0.0177	0.0177	0.0000	1,043.813 5	1,043.813 5	0.3376		1,052.253 3
Total	0.1323	0.5735	6.3886	0.0108		0.0177	0.0177		0.0177	0.0177	0.0000	1,043.813 5	1,043.813 5	0.3376		1,052.253 3

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	0.0352	0.9654	0.3494	3.9200e-003	0.1345	0.0110	0.1455	0.0387	0.0105	0.0492		420.6080	420.6080	0.0113	0.0623	439.4502
Worker	0.2156	0.1495	1.7935	4.9500e-003	0.5924	3.1100e-003	0.5955	0.1571	2.8600e-003	0.1600		503.8122	503.8122	0.0144	0.0143	508.4320
Total	0.2508	1.1149	2.1429	8.8700e-003	0.7270	0.0141	0.7411	0.1959	0.0134	0.2092		924.4202	924.4202	0.0257	0.0766	947.8822

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

3.5 Paving - 2022

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	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.689 2	1,709.689 2	0.5419		1,723.235 6

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	0.0610	0.0423	0.5076	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		142.5884	142.5884	4.0800e-003	4.0400e-003	143.8959
Total	0.0610	0.0423	0.5076	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		142.5884	142.5884	4.0800e-003	4.0400e-003	143.8959

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

3.5 Paving - 2022

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	0.2104	0.9117	12.9737	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,659.172 9	1,659.172 9	0.5366		1,672.588 2
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,659.172 9	1,659.172 9	0.5366		1,672.588 2

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	0.0610	0.0423	0.5076	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		142.5884	142.5884	4.0800e-003	4.0400e-003	143.8959
Total	0.0610	0.0423	0.5076	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		142.5884	142.5884	4.0800e-003	4.0400e-003	143.8959

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

3.6 Architectural Coating - 2022

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	106.7462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	106.9507	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.0448	0.0310	0.3722	1.0300e-003	0.1230	6.5000e-004	0.1236	0.0326	5.9000e-004	0.0332		104.5648	104.5648	2.9900e-003	2.9700e-003	105.5236
Total	0.0448	0.0310	0.3722	1.0300e-003	0.1230	6.5000e-004	0.1236	0.0326	5.9000e-004	0.0332		104.5648	104.5648	2.9900e-003	2.9700e-003	105.5236

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2022****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	106.7462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	106.7759	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.0448	0.0310	0.3722	1.0300e-003	0.1230	6.5000e-004	0.1236	0.0326	5.9000e-004	0.0332		104.5648	104.5648	2.9900e-003	2.9700e-003	105.5236
Total	0.0448	0.0310	0.3722	1.0300e-003	0.1230	6.5000e-004	0.1236	0.0326	5.9000e-004	0.0332		104.5648	104.5648	2.9900e-003	2.9700e-003	105.5236

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9657	3.8648	24.6502	0.0609	6.4995	0.0487	6.5482	1.7335	0.0456	1.7791		6,212.8335	6,212.8335	0.3039	0.2890	6,306.5647
Unmitigated	1.9657	3.8648	24.6502	0.0609	6.4995	0.0487	6.5482	1.7335	0.0456	1.7791		6,212.8335	6,212.8335	0.3039	0.2890	6,306.5647

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	426.88	321.74	157.07	2,691,725	2,691,725
Total	426.88	321.74	157.07	2,691,725	2,691,725

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
Industrial Park	30.10	15.23	12.51	59.00	28.00	13.00	79	19	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702
NaturalGas Unmitigated	0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702

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					
Industrial Park	1190.32	0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702
Total		0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	1.19032	0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702
Total		0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	2.5092	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Unmitigated	2.5092	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

6.2 Area by SubCategory

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Total	2.5092	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Total	2.5092	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295

7.0 Water Detail

7.1 Mitigation Measures Water

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Montclair - Industrial/Flex - Growth
San Bernardino-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	126.67	1000sqft	2.91	126,667.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on one year of industrial/flex use

Land Use - See Assumptions

Construction Phase - See Assumptions - Scaled from defaults to fit one year of construction

Off-road Equipment - Defaults used

Trips and VMT - Defaults used

Demolition - Assumes replacement of similar size building

Grading - Defaults used

Vehicle Trips - See Assumptions

Area Coating - Operational Emissions Modeled Separately

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

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

[illegible]

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	220.00	233.00
tblConstructionPhase	NumDays	10.00	11.00
tblConstructionPhase	NumDays	10.00	11.00
tblLandUse	LandUseSquareFeet	126,670.00	126,667.00
tblSolidWaste	SolidWasteGenerationRate	157.07	2,356.00
tblVehicleEF	LDA	0.60	0.60
tblVehicleEF	LDA	2.09	2.09
tblVehicleEF	LDA	256.62	253.45
tblVehicleEF	LDA	52.89	52.23
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.17
tblVehicleEF	LDA	1.3790e-003	1.3750e-003
tblVehicleEF	LDA	1.7810e-003	1.7750e-003
tblVehicleEF	LDA	1.2700e-003	1.2660e-003
tblVehicleEF	LDA	1.6370e-003	1.6320e-003
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	8.0160e-003	8.0100e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.05	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDA	0.23	0.23
tblVehicleEF	LDA	0.74	0.74
tblVehicleEF	LDA	1.74	1.74
tblVehicleEF	LDA	280.21	276.74
tblVehicleEF	LDA	52.21	51.56
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.16	0.16
tblVehicleEF	LDA	1.3790e-003	1.3750e-003
tblVehicleEF	LDA	1.7810e-003	1.7750e-003
tblVehicleEF	LDA	1.2700e-003	1.2660e-003
tblVehicleEF	LDA	1.6370e-003	1.6320e-003
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	9.0940e-003	9.0880e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.17	0.17
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.10	0.10
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.19	0.19
tblVehicleEF	LDA	0.57	0.57
tblVehicleEF	LDA	2.06	2.06
tblVehicleEF	LDA	251.09	247.99
tblVehicleEF	LDA	52.83	52.17
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.17	0.17

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDA	1.3790e-003	1.3750e-003
tblVehicleEF	LDA	1.7810e-003	1.7750e-003
tblVehicleEF	LDA	1.2700e-003	1.2660e-003
tblVehicleEF	LDA	1.6370e-003	1.6320e-003
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.8090e-003	7.8040e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.21	0.21
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.11	0.11
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.23	0.22
tblVehicleEF	LDT1	1.27	1.27
tblVehicleEF	LDT1	2.35	2.34
tblVehicleEF	LDT1	304.65	300.86
tblVehicleEF	LDT1	64.36	63.56
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	2.0140e-003	2.0070e-003
tblVehicleEF	LDT1	2.6470e-003	2.6380e-003
tblVehicleEF	LDT1	1.8530e-003	1.8470e-003
tblVehicleEF	LDT1	2.4340e-003	2.4260e-003
tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT1	0.24	0.24
tblVehicleEF	LDT1	0.12	0.12

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.39	0.39
tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT1	0.24	0.24
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.43	0.43
tblVehicleEF	LDT1	1.54	1.54
tblVehicleEF	LDT1	1.95	1.94
tblVehicleEF	LDT1	329.24	325.15
tblVehicleEF	LDT1	63.50	62.71
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.26	0.26
tblVehicleEF	LDT1	2.0140e-003	2.0070e-003
tblVehicleEF	LDT1	2.6470e-003	2.6380e-003
tblVehicleEF	LDT1	1.8530e-003	1.8470e-003
tblVehicleEF	LDT1	2.4340e-003	2.4260e-003
tblVehicleEF	LDT1	0.36	0.36
tblVehicleEF	LDT1	0.30	0.30
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.33	0.33
tblVehicleEF	LDT1	0.36	0.36
tblVehicleEF	LDT1	0.30	0.30
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	0.04	0.04

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.36	0.36
tblVehicleEF	LDT1	1.21	1.21
tblVehicleEF	LDT1	2.31	2.30
tblVehicleEF	LDT1	298.83	295.11
tblVehicleEF	LDT1	64.28	63.48
tblVehicleEF	LDT1	0.10	0.10
tblVehicleEF	LDT1	0.27	0.27
tblVehicleEF	LDT1	2.0140e-003	2.0070e-003
tblVehicleEF	LDT1	2.6470e-003	2.6380e-003
tblVehicleEF	LDT1	1.8530e-003	1.8470e-003
tblVehicleEF	LDT1	2.4340e-003	2.4260e-003
tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.39	0.39
tblVehicleEF	LDT1	0.18	0.18
tblVehicleEF	LDT1	0.28	0.28
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT1	0.42	0.42
tblVehicleEF	LDT2	0.89	0.89
tblVehicleEF	LDT2	2.69	2.68
tblVehicleEF	LDT2	323.22	319.22
tblVehicleEF	LDT2	68.56	67.70
tblVehicleEF	LDT2	0.08	0.08

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4520e-003	1.4480e-003
tblVehicleEF	LDT2	1.8710e-003	1.8650e-003
tblVehicleEF	LDT2	1.3370e-003	1.3330e-003
tblVehicleEF	LDT2	1.7200e-003	1.7150e-003
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.32	0.32
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.14	0.14
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.35	0.35
tblVehicleEF	LDT2	1.08	1.08
tblVehicleEF	LDT2	2.22	2.22
tblVehicleEF	LDT2	346.91	342.62
tblVehicleEF	LDT2	67.64	66.80
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.26	0.26
tblVehicleEF	LDT2	1.4520e-003	1.4480e-003
tblVehicleEF	LDT2	1.8710e-003	1.8650e-003
tblVehicleEF	LDT2	1.3370e-003	1.3330e-003
tblVehicleEF	LDT2	1.7200e-003	1.7150e-003
tblVehicleEF	LDT2	0.20	0.20
tblVehicleEF	LDT2	0.17	0.17

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.27	0.27
tblVehicleEF	LDT2	0.20	0.20
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.29	0.29
tblVehicleEF	LDT2	0.84	0.84
tblVehicleEF	LDT2	2.64	2.64
tblVehicleEF	LDT2	317.60	313.67
tblVehicleEF	LDT2	68.48	67.63
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.28	0.28
tblVehicleEF	LDT2	1.4520e-003	1.4480e-003
tblVehicleEF	LDT2	1.8710e-003	1.8650e-003
tblVehicleEF	LDT2	1.3370e-003	1.3330e-003
tblVehicleEF	LDT2	1.7200e-003	1.7150e-003
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.08	0.08
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.32	0.32
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.16	0.16
tblVehicleEF	LDT2	0.08	0.08

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.35	0.35
tblVehicleEF	MDV	1.03	1.03
tblVehicleEF	MDV	3.16	3.15
tblVehicleEF	MDV	403.07	398.16
tblVehicleEF	MDV	85.11	84.05
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.35	0.35
tblVehicleEF	MDV	1.5480e-003	1.5440e-003
tblVehicleEF	MDV	1.9490e-003	1.9430e-003
tblVehicleEF	MDV	1.4280e-003	1.4240e-003
tblVehicleEF	MDV	1.7920e-003	1.7870e-003
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.41	0.41
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.17	0.17
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.45	0.45
tblVehicleEF	MDV	1.25	1.25
tblVehicleEF	MDV	2.61	2.60
tblVehicleEF	MDV	428.20	422.98
tblVehicleEF	MDV	84.00	82.96

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.33	0.33
tblVehicleEF	MDV	1.5480e-003	1.5440e-003
tblVehicleEF	MDV	1.9490e-003	1.9430e-003
tblVehicleEF	MDV	1.4280e-003	1.4240e-003
tblVehicleEF	MDV	1.7920e-003	1.7870e-003
tblVehicleEF	MDV	0.23	0.23
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.35	0.35
tblVehicleEF	MDV	0.23	0.23
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.21	0.21
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.06	0.06
tblVehicleEF	MDV	0.38	0.38
tblVehicleEF	MDV	0.97	0.97
tblVehicleEF	MDV	3.11	3.10
tblVehicleEF	MDV	397.12	392.28
tblVehicleEF	MDV	85.02	83.96
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.35	0.35
tblVehicleEF	MDV	1.5480e-003	1.5440e-003
tblVehicleEF	MDV	1.9490e-003	1.9430e-003
tblVehicleEF	MDV	1.4280e-003	1.4240e-003
tblVehicleEF	MDV	1.7920e-003	1.7870e-003
tblVehicleEF	MDV	0.11	0.11

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.41	0.41
tblVehicleEF	MDV	0.11	0.11
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.45	0.45
tblVehicleTrips	CC_TL	8.40	15.23
tblVehicleTrips	CNW_TL	6.90	12.51
tblVehicleTrips	CW_TL	16.60	30.10
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	29,292,437.50	19,104,683.20
tblWater	OutdoorWaterUseRate	0.00	31,331,680.44
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	110.1185	26.4762	31.4558	0.0579	7.1944	1.2873	7.9372	3.4544	1.2195	4.1378	0.0000	5,529.7218	5,529.7218	1.0348	0.2818	5,580.2677
Maximum	110.1185	26.4762	31.4558	0.0579	7.1944	1.2873	7.9372	3.4544	1.2195	4.1378	0.0000	5,529.7218	5,529.7218	1.0348	0.2818	5,580.2677

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					
2022	107.4898	4.9911	24.7867	0.0430	3.1639	0.0775	3.2414	1.4937	0.0758	1.5279	0.0000	4,233.7377	4,233.7377	0.9254	0.2818	4,317.3058
Maximum	107.4898	4.9911	24.7867	0.0430	3.1639	0.0775	3.2414	1.4937	0.0758	1.5279	0.0000	4,233.7377	4,233.7377	0.9254	0.2818	4,317.3058

	ROG	NOx	CO	SO2	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	2.39	81.15	21.20	25.82	56.02	93.98	59.16	56.76	93.79	63.08	0.00	23.44	23.44	10.56	0.00	22.63

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.5092	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Energy	0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702
Mobile	2.1675	3.6413	28.3663	0.0658	6.4995	0.0487	6.5482	1.7335	0.0456	1.7791		6,704.3605	6,704.3605	0.3042	0.2824	6,796.1081
Total	4.6895	3.7582	28.4773	0.0665	6.4995	0.0576	6.5571	1.7335	0.0545	1.7881		6,844.4262	6,844.4262	0.3070	0.2849	6,937.0078

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	2.5092	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Energy	0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702
Mobile	2.1675	3.6413	28.3663	0.0658	6.4995	0.0487	6.5482	1.7335	0.0456	1.7791		6,704.3605	6,704.3605	0.3042	0.2824	6,796.1081
Total	4.6895	3.7582	28.4773	0.0665	6.4995	0.0576	6.5571	1.7335	0.0545	1.7881		6,844.4262	6,844.4262	0.3070	0.2849	6,937.0078

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	1/31/2022	5	21	
2	Grading	Grading	2/1/2022	2/8/2022	5	6	
3	Building Construction	Building Construction	2/9/2022	12/30/2022	5	233	
4	Paving	Paving	2/9/2022	2/23/2022	5	11	
5	Architectural Coating	Architectural Coating	2/9/2022	2/23/2022	5	11	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 6****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 190,001; Non-Residential Outdoor: 63,334; Striped Parking Area: 0 (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

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	576.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	53.00	21.00	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
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 2022****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					5.9374	0.0000	5.9374	0.8990	0.0000	0.8990			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
Total	1.6889	16.6217	13.9605	0.0241	5.9374	0.8379	6.7753	0.8990	0.7829	1.6819		2,323.4168	2,323.4168	0.5921		2,338.2191

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	0.1037	3.7383	0.9754	0.0161	0.4803	0.0393	0.5196	0.1317	0.0376	0.1693		1,756.7042	1,756.7042	0.0752	0.2784	1,841.5423
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	0.0551	0.0349	0.5356	1.3400e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		136.4438	136.4438	3.5500e-003	3.4000e-003	137.5444
Total	0.1588	3.7732	1.5109	0.0175	0.6257	0.0400	0.6657	0.1703	0.0383	0.2085		1,893.1481	1,893.1481	0.0788	0.2818	1,979.0867

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 2022****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					2.5382	0.0000	2.5382	0.3843	0.0000	0.3843			0.0000			0.0000
Off-Road	0.2811	1.2179	14.7184	0.0241		0.0375	0.0375		0.0375	0.0375	0.0000	2,323.416 8	2,323.416 8	0.5921		2,338.219 1
Total	0.2811	1.2179	14.7184	0.0241	2.5382	0.0375	2.5757	0.3843	0.0375	0.4218	0.0000	2,323.416 8	2,323.416 8	0.5921		2,338.219 1

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	0.1037	3.7383	0.9754	0.0161	0.4803	0.0393	0.5196	0.1317	0.0376	0.1693		1,756.704 2	1,756.704 2	0.0752	0.2784	1,841.542 3
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	0.0551	0.0349	0.5356	1.3400e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		136.4438	136.4438	3.5500e-003	3.4000e-003	137.5444
Total	0.1588	3.7732	1.5109	0.0175	0.6257	0.0400	0.6657	0.1703	0.0383	0.2085		1,893.148 1	1,893.148 1	0.0788	0.2818	1,979.086 7

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
Total	1.5403	16.9836	9.2202	0.0206	7.0826	0.7423	7.8249	3.4247	0.6829	4.1076		1,995.4825	1,995.4825	0.6454		2,011.6169

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	0.0424	0.0268	0.4120	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.9568	104.9568	2.7300e-003	2.6100e-003	105.8034
Total	0.0424	0.0268	0.4120	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.9568	104.9568	2.7300e-003	2.6100e-003	105.8034

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****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					3.0278	0.0000	3.0278	1.4641	0.0000	1.4641			0.0000			0.0000
Off-Road	0.2522	1.0927	10.9071	0.0206		0.0336	0.0336		0.0336	0.0336	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
Total	0.2522	1.0927	10.9071	0.0206	3.0278	0.0336	3.0614	1.4641	0.0336	1.4977	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169

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	0.0424	0.0268	0.4120	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.9568	104.9568	2.7300e-003	2.6100e-003	105.8034
Total	0.0424	0.0268	0.4120	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.9568	104.9568	2.7300e-003	2.6100e-003	105.8034

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2022****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	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

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	0.0366	0.9196	0.3375	3.9200e-003	0.1345	0.0109	0.1455	0.0387	0.0105	0.0492		420.1446	420.1446	0.0114	0.0622	438.9564
Worker	0.2245	0.1422	2.1834	5.4700e-003	0.5924	3.1100e-003	0.5955	0.1571	2.8600e-003	0.1600		556.2710	556.2710	0.0145	0.0138	560.7578
Total	0.2611	1.0618	2.5209	9.3900e-003	0.7270	0.0141	0.7410	0.1959	0.0133	0.2092		976.4156	976.4156	0.0258	0.0760	999.7142

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

3.4 Building Construction - 2022

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	0.1323	0.5735	6.3886	0.0108		0.0177	0.0177		0.0177	0.0177	0.0000	1,043.813 5	1,043.813 5	0.3376		1,052.253 3
Total	0.1323	0.5735	6.3886	0.0108		0.0177	0.0177		0.0177	0.0177	0.0000	1,043.813 5	1,043.813 5	0.3376		1,052.253 3

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	0.0366	0.9196	0.3375	3.9200e-003	0.1345	0.0109	0.1455	0.0387	0.0105	0.0492		420.1446	420.1446	0.0114	0.0622	438.9564
Worker	0.2245	0.1422	2.1834	5.4700e-003	0.5924	3.1100e-003	0.5955	0.1571	2.8600e-003	0.1600		556.2710	556.2710	0.0145	0.0138	560.7578
Total	0.2611	1.0618	2.5209	9.3900e-003	0.7270	0.0141	0.7410	0.1959	0.0133	0.2092		976.4156	976.4156	0.0258	0.0760	999.7142

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2022****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	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.689 2	1,709.689 2	0.5419		1,723.235 6

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	0.0635	0.0402	0.6179	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		157.4352	157.4352	4.0900e-003	3.9200e-003	158.7050
Total	0.0635	0.0402	0.6179	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		157.4352	157.4352	4.0900e-003	3.9200e-003	158.7050

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

3.5 Paving - 2022

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	0.2104	0.9117	12.9737	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,659.172 9	1,659.172 9	0.5366		1,672.588 2
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2104	0.9117	12.9737	0.0171		0.0281	0.0281		0.0281	0.0281	0.0000	1,659.172 9	1,659.172 9	0.5366		1,672.588 2

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	0.0635	0.0402	0.6179	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		157.4352	157.4352	4.0900e-003	3.9200e-003	158.7050
Total	0.0635	0.0402	0.6179	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		157.4352	157.4352	4.0900e-003	3.9200e-003	158.7050

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2022****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	106.7462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	106.9507	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.0466	0.0295	0.4532	1.1300e-003	0.1230	6.5000e-004	0.1236	0.0326	5.9000e-004	0.0332		115.4525	115.4525	3.0000e-003	2.8700e-003	116.3837
Total	0.0466	0.0295	0.4532	1.1300e-003	0.1230	6.5000e-004	0.1236	0.0326	5.9000e-004	0.0332		115.4525	115.4525	3.0000e-003	2.8700e-003	116.3837

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2022****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	106.7462					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	106.7759	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.0466	0.0295	0.4532	1.1300e-003	0.1230	6.5000e-004	0.1236	0.0326	5.9000e-004	0.0332		115.4525	115.4525	3.0000e-003	2.8700e-003	116.3837
Total	0.0466	0.0295	0.4532	1.1300e-003	0.1230	6.5000e-004	0.1236	0.0326	5.9000e-004	0.0332		115.4525	115.4525	3.0000e-003	2.8700e-003	116.3837

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1675	3.6413	28.3663	0.0658	6.4995	0.0487	6.5482	1.7335	0.0456	1.7791		6,704.3605	6,704.3605	0.3042	0.2824	6,796.1081
Unmitigated	2.1675	3.6413	28.3663	0.0658	6.4995	0.0487	6.5482	1.7335	0.0456	1.7791		6,704.3605	6,704.3605	0.3042	0.2824	6,796.1081

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	426.88	321.74	157.07	2,691,725	2,691,725
Total	426.88	321.74	157.07	2,691,725	2,691,725

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
Industrial Park	30.10	15.23	12.51	59.00	28.00	13.00	79	19	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702
NaturalGas Unmitigated	0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702

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					
Industrial Park	1190.32	0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702
Total		0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	1.19032	0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702
Total		0.0128	0.1167	0.0980	7.0000e-004		8.8700e-003	8.8700e-003		8.8700e-003	8.8700e-003		140.0380	140.0380	2.6800e-003	2.5700e-003	140.8702

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	2.5092	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Unmitigated	2.5092	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Total	2.5092	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5080					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.2000e-003	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295
Total	2.5092	1.2000e-004	0.0129	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0277	0.0277	7.0000e-005		0.0295

7.0 Water Detail

7.1 Mitigation Measures Water

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Montclair General Office - Growth
San Bernardino-South Coast County, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	40.00	1000sqft	0.92	40,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumes one year of general office construction

Land Use - See Assumptions

Construction Phase - See Assumptions - Scaled from defaults to fit one year of construction

Off-road Equipment - Default equipment used for all phases

Trips and VMT - Defaults used

Demolition - Assumes replacement of similar size building

Grading - Default assumptions used

Vehicle Trips - See Assumptions

Area Coating - Operational Emissions Modeled Separately

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

Construction Off-road Equipment Mitigation - Mitigation for equipment added but may not be used depending on unmitigated results. Fugitive Dust supports Rule 403 compliance

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	NumDays	100.00	213.00
tblGrading	AcresOfGrading	3.00	1.50

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

tblSolidWaste	SolidWasteGenerationRate	37.20	558.00
tblVehicleTrips	CC_TL	8.40	15.23
tblVehicleTrips	CNW_TL	6.90	12.51
tblVehicleTrips	CW_TL	16.60	30.10
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	7,109,349.92	4,022,038.57
tblWater	OutdoorWaterUseRate	4,357,343.50	11,905,234.16
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	75.8478	14.7694	17.2681	0.0301	5.0037	0.7554	5.5214	2.5493	0.7051	3.0257	0.0000	2,884.614 ₉	2,884.614 ₉	0.6901	0.0907	2,910.786 ₄
Maximum	75.8478	14.7694	17.2681	0.0301	5.0037	0.7554	5.5214	2.5493	0.7051	3.0257	0.0000	2,884.614 ₉	2,884.614 ₉	0.6901	0.0907	2,910.786 ₄

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					
2022	74.5914	1.8431	17.7284	0.0280	2.1903	0.0432	2.2137	1.1034	0.0428	1.1269	0.0000	2,733.065 ₉	2,733.065 ₉	0.6744	0.0907	2,758.844 ₁
Maximum	74.5914	1.8431	17.7284	0.0280	2.1903	0.0432	2.2137	1.1034	0.0428	1.1269	0.0000	2,733.065 ₉	2,733.065 ₉	0.6744	0.0907	2,758.844 ₁

	ROG	NOx	CO	SO2	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	1.66	87.52	-2.67	7.10	56.23	94.29	59.91	56.72	93.92	62.76	0.00	5.25	5.25	2.28	0.00	5.22

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.7924	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Energy	4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852
Mobile	1.5709	2.9267	18.6672	0.0452	4.8045	0.0364	4.8408	1.2814	0.0341	1.3155		4,651.206 2	4,651.206 2	0.2345	0.2187	4,722.234 7
Total	2.3673	2.9636	18.7023	0.0454	4.8045	0.0392	4.8436	1.2814	0.0369	1.3183		4,695.437 4	4,695.437 4	0.2354	0.2195	4,766.729 3

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.7924	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Energy	4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852
Mobile	1.5709	2.9267	18.6672	0.0452	4.8045	0.0364	4.8408	1.2814	0.0341	1.3155		4,651.206 2	4,651.206 2	0.2345	0.2187	4,722.234 7
Total	2.3673	2.9636	18.7023	0.0454	4.8045	0.0392	4.8436	1.2814	0.0369	1.3183		4,695.437 4	4,695.437 4	0.2354	0.2195	4,766.729 3

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	1/31/2022	5	21	
2	Grading	Grading	2/1/2022	2/4/2022	5	4	
3	Building Construction	Building Construction	2/5/2022	11/30/2022	5	213	
4	Paving	Paving	2/5/2022	2/11/2022	5	5	
5	Architectural Coating	Architectural Coating	2/5/2022	2/11/2022	5	5	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 1.5****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 0 (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	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	182.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8750	0.0000	1.8750	0.2839	0.0000	0.2839			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.8750	0.3375	2.2125	0.2839	0.3225	0.6064		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0314	1.2402	0.3152	5.1000e-003	0.1518	0.0124	0.1642	0.0416	0.0119	0.0535		555.4842	555.4842	0.0237	0.0880	582.3086
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	0.0407	0.0282	0.3384	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		95.0589	95.0589	2.7200e-003	2.7000e-003	95.9306
Total	0.0721	1.2684	0.6536	6.0300e-003	0.2636	0.0130	0.2766	0.0713	0.0124	0.0837		650.5431	650.5431	0.0264	0.0907	678.2392

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8016	0.0000	0.8016	0.1214	0.0000	0.1214			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.1326	0.5747	7.8509	0.0120	0.8016	0.0177	0.8192	0.1214	0.0177	0.1390	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0314	1.2402	0.3152	5.1000e-003	0.1518	0.0124	0.1642	0.0416	0.0119	0.0535		555.4842	555.4842	0.0237	0.0880	582.3086
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	0.0407	0.0282	0.3384	9.3000e-004	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		95.0589	95.0589	2.7200e-003	2.7000e-003	95.9306
Total	0.0721	1.2684	0.6536	6.0300e-003	0.2636	0.0130	0.2766	0.0713	0.0124	0.0837		650.5431	650.5431	0.0264	0.0907	678.2392

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****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					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.819 8	1,364.819 8	0.4414		1,375.855 1
Total	1.0832	12.0046	5.9360	0.0141	4.9143	0.5173	5.4315	2.5256	0.4759	3.0015		1,364.819 8	1,364.819 8	0.4414		1,375.855 1

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	0.0326	0.0226	0.2707	7.5000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		76.0471	76.0471	2.1800e-003	2.1600e-003	76.7445
Total	0.0326	0.0226	0.2707	7.5000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		76.0471	76.0471	2.1800e-003	2.1600e-003	76.7445

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

3.3 Grading - 2022

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					2.1008	0.0000	2.1008	1.0797	0.0000	1.0797			0.0000			0.0000
Off-Road	0.1725	0.7475	7.1557	0.0141		0.0230	0.0230		0.0230	0.0230	0.0000	1,364.819 8	1,364.819 8	0.4414		1,375.855 1
Total	0.1725	0.7475	7.1557	0.0141	2.1008	0.0230	2.1238	1.0797	0.0230	1.1027	0.0000	1,364.819 8	1,364.819 8	0.4414		1,375.855 1

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	0.0326	0.0226	0.2707	7.5000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		76.0471	76.0471	2.1800e-003	2.1600e-003	76.7445
Total	0.0326	0.0226	0.2707	7.5000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		76.0471	76.0471	2.1800e-003	2.1600e-003	76.7445

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2022****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	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.939 3	1,103.939 3	0.3570		1,112.865 2
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.939 3	1,103.939 3	0.3570		1,112.865 2

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	0.0117	0.3218	0.1165	1.3100e-003	0.0449	3.6600e-003	0.0485	0.0129	3.5000e-003	0.0164		140.2027	140.2027	3.7600e-003	0.0208	146.4834
Worker	0.0529	0.0367	0.4399	1.2100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		123.5766	123.5766	3.5400e-003	3.5100e-003	124.7097
Total	0.0646	0.3585	0.5564	2.5200e-003	0.1902	4.4200e-003	0.1946	0.0515	4.2000e-003	0.0557		263.7792	263.7792	7.3000e-003	0.0243	271.1931

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

3.4 Building Construction - 2022

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	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,103.939 3	1,103.939 3	0.3570		1,112.865 2
Total	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,103.939 3	1,103.939 3	0.3570		1,112.865 2

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	0.0117	0.3218	0.1165	1.3100e-003	0.0449	3.6600e-003	0.0485	0.0129	3.5000e-003	0.0164		140.2027	140.2027	3.7600e-003	0.0208	146.4834
Worker	0.0529	0.0367	0.4399	1.2100e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		123.5766	123.5766	3.5400e-003	3.5100e-003	124.7097
Total	0.0646	0.3585	0.5564	2.5200e-003	0.1902	4.4200e-003	0.1946	0.0515	4.2000e-003	0.0557		263.7792	263.7792	7.3000e-003	0.0243	271.1931

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2022****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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.824 6	1,035.824 6	0.3017		1,043.367 7
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.824 6	1,035.824 6	0.3017		1,043.367 7

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	0.0732	0.0508	0.6091	1.6800e-003	0.2012	1.0600e-003	0.2023	0.0534	9.7000e-004	0.0543		171.1060	171.1060	4.9000e-003	4.8500e-003	172.6750
Total	0.0732	0.0508	0.6091	1.6800e-003	0.2012	1.0600e-003	0.2023	0.0534	9.7000e-004	0.0543		171.1060	171.1060	4.9000e-003	4.8500e-003	172.6750

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2022****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	0.1119	0.4851	6.9028	9.1300e-003		0.0149	0.0149		0.0149	0.0149	0.0000	884.2756	884.2756	0.2860		891.4254
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1119	0.4851	6.9028	9.1300e-003		0.0149	0.0149		0.0149	0.0149	0.0000	884.2756	884.2756	0.2860		891.4254

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	0.0732	0.0508	0.6091	1.6800e-003	0.2012	1.0600e-003	0.2023	0.0534	9.7000e-004	0.0543		171.1060	171.1060	4.9000e-003	4.8500e-003	172.6750
Total	0.0732	0.0508	0.6091	1.6800e-003	0.2012	1.0600e-003	0.2023	0.0534	9.7000e-004	0.0543		171.1060	171.1060	4.9000e-003	4.8500e-003	172.6750

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2022****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	74.1600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	74.3645	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.0122	8.4600e-003	0.1015	2.8000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.6000e-004	9.0600e-003		28.5177	28.5177	8.2000e-004	8.1000e-004	28.7792
Total	0.0122	8.4600e-003	0.1015	2.8000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.6000e-004	9.0600e-003		28.5177	28.5177	8.2000e-004	8.1000e-004	28.7792

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2022****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	74.1600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	74.1897	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.0122	8.4600e-003	0.1015	2.8000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.6000e-004	9.0600e-003		28.5177	28.5177	8.2000e-004	8.1000e-004	28.7792
Total	0.0122	8.4600e-003	0.1015	2.8000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.6000e-004	9.0600e-003		28.5177	28.5177	8.2000e-004	8.1000e-004	28.7792

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5709	2.9267	18.6672	0.0452	4.8045	0.0364	4.8408	1.2814	0.0341	1.3155		4,651.206 2	4,651.206 2	0.2345	0.2187	4,722.234 7
Unmitigated	1.5709	2.9267	18.6672	0.0452	4.8045	0.0364	4.8408	1.2814	0.0341	1.3155		4,651.206 2	4,651.206 2	0.2345	0.2187	4,722.234 7

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	389.60	88.40	28.00	1,722,261	1,722,261
Total	389.60	88.40	28.00	1,722,261	1,722,261

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
General Office Building	30.10	15.23	12.51	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852
NaturalGas Unmitigated	4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852

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					
General Office Building	375.89	4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852
Total		4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.37589	4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852
Total		4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7924	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Unmitigated	0.7924	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

6.2 Area by SubCategory

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7920					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Total	0.7924	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7920					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Total	0.7924	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Montclair General Office - Growth - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

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

Montclair General Office - Growth
San Bernardino-South Coast County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	40.00	1000sqft	0.92	40,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumes one year of general office construction

Land Use - See Assumptions

Construction Phase - See Assumptions - Scaled from defaults to fit one year of construction

Off-road Equipment - Default equipment used for all phases

Trips and VMT - Defaults used

Demolition - Assumes replacement of similar size building

Grading - Default assumptions used

Vehicle Trips - See Assumptions

Area Coating - Operational Emissions Modeled Separately

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

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

Construction Off-road Equipment Mitigation - Mitigation for equipment added but may not be used depending on unmitigated results. Fugitive Dust supports Rule 403 compliance

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	NumDays	100.00	213.00
tblGrading	AcresOfGrading	3.00	1.50

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

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

tblSolidWaste	SolidWasteGenerationRate	37.20	558.00
tblVehicleTrips	CC_TL	8.40	15.23
tblVehicleTrips	CNW_TL	6.90	12.51
tblVehicleTrips	CW_TL	16.60	30.10
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	7,109,349.92	4,022,038.57
tblWater	OutdoorWaterUseRate	4,357,343.50	11,905,234.16
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	75.8540	14.7494	17.5142	0.0305	5.0037	0.7554	5.5214	2.5493	0.7050	3.0257	0.0000	2,918.113 2	2,918.113 2	0.6902	0.0906	2,944.189 3
Maximum	75.8540	14.7494	17.5142	0.0305	5.0037	0.7554	5.5214	2.5493	0.7050	3.0257	0.0000	2,918.113 2	2,918.113 2	0.6902	0.0906	2,944.189 3

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					
2022	74.5975	1.7827	17.9745	0.0283	2.1903	0.0432	2.2137	1.1034	0.0428	1.1269	0.0000	2,766.564 3	2,766.564 3	0.6744	0.0906	2,792.247 0
Maximum	74.5975	1.7827	17.9745	0.0283	2.1903	0.0432	2.2137	1.1034	0.0428	1.1269	0.0000	2,766.564 3	2,766.564 3	0.6744	0.0906	2,792.247 0

	ROG	NOx	CO	SO2	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	1.66	87.91	-2.63	7.03	56.23	94.29	59.91	56.72	93.93	62.76	0.00	5.19	5.19	2.28	0.00	5.16

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.7924	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Energy	4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852
Mobile	1.7508	2.7572	21.3627	0.0488	4.8045	0.0364	4.8408	1.2814	0.0341	1.3155		5,018.890 2	5,018.890 2	0.2334	0.2135	5,088.360 6
Total	2.5472	2.7941	21.3977	0.0490	4.8045	0.0392	4.8436	1.2814	0.0369	1.3183		5,063.121 3	5,063.121 3	0.2343	0.2144	5,132.855 1

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.7924	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Energy	4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852
Mobile	1.7508	2.7572	21.3627	0.0488	4.8045	0.0364	4.8408	1.2814	0.0341	1.3155		5,018.890 2	5,018.890 2	0.2334	0.2135	5,088.360 6
Total	2.5472	2.7941	21.3977	0.0490	4.8045	0.0392	4.8436	1.2814	0.0369	1.3183		5,063.121 3	5,063.121 3	0.2343	0.2144	5,132.855 1

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

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

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	1/31/2022	5	21	
2	Grading	Grading	2/1/2022	2/4/2022	5	4	
3	Building Construction	Building Construction	2/5/2022	11/30/2022	5	213	
4	Paving	Paving	2/5/2022	2/11/2022	5	5	
5	Architectural Coating	Architectural Coating	2/5/2022	2/11/2022	5	5	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 1.5****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 0 (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	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37

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

Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	182.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.8750	0.0000	1.8750	0.2839	0.0000	0.2839			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.7094	6.4138	7.4693	0.0120	1.8750	0.3375	2.2125	0.2839	0.3225	0.6064		1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0328	1.1812	0.3082	5.1000e-003	0.1518	0.0124	0.1642	0.0416	0.0119	0.0535		555.0697	555.0697	0.0238	0.0880	581.8762
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	0.0424	0.0268	0.4120	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.9568	104.9568	2.7300e-003	2.6100e-003	105.8034
Total	0.0751	1.2080	0.7202	6.1300e-003	0.2636	0.0130	0.2765	0.0713	0.0124	0.0837		660.0265	660.0265	0.0265	0.0906	687.6796

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Demolition - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8016	0.0000	0.8016	0.1214	0.0000	0.1214			0.0000			0.0000
Off-Road	0.1326	0.5747	7.8509	0.0120		0.0177	0.0177		0.0177	0.0177	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
Total	0.1326	0.5747	7.8509	0.0120	0.8016	0.0177	0.8192	0.1214	0.0177	0.1390	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001

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	0.0328	1.1812	0.3082	5.1000e-003	0.1518	0.0124	0.1642	0.0416	0.0119	0.0535		555.0697	555.0697	0.0238	0.0880	581.8762
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	0.0424	0.0268	0.4120	1.0300e-003	0.1118	5.9000e-004	0.1124	0.0296	5.4000e-004	0.0302		104.9568	104.9568	2.7300e-003	2.6100e-003	105.8034
Total	0.0751	1.2080	0.7202	6.1300e-003	0.2636	0.0130	0.2765	0.0713	0.0124	0.0837		660.0265	660.0265	0.0265	0.0906	687.6796

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****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					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.819 8	1,364.819 8	0.4414		1,375.855 1
Total	1.0832	12.0046	5.9360	0.0141	4.9143	0.5173	5.4315	2.5256	0.4759	3.0015		1,364.819 8	1,364.819 8	0.4414		1,375.855 1

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	0.0339	0.0215	0.3296	8.3000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		83.9654	83.9654	2.1800e-003	2.0900e-003	84.6427
Total	0.0339	0.0215	0.3296	8.3000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		83.9654	83.9654	2.1800e-003	2.0900e-003	84.6427

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.3 Grading - 2022****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					2.1008	0.0000	2.1008	1.0797	0.0000	1.0797			0.0000			0.0000
Off-Road	0.1725	0.7475	7.1557	0.0141		0.0230	0.0230		0.0230	0.0230	0.0000	1,364.819 8	1,364.819 8	0.4414		1,375.855 1
Total	0.1725	0.7475	7.1557	0.0141	2.1008	0.0230	2.1238	1.0797	0.0230	1.1027	0.0000	1,364.819 8	1,364.819 8	0.4414		1,375.855 1

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	0.0339	0.0215	0.3296	8.3000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		83.9654	83.9654	2.1800e-003	2.0900e-003	84.6427
Total	0.0339	0.0215	0.3296	8.3000e-004	0.0894	4.7000e-004	0.0899	0.0237	4.3000e-004	0.0242		83.9654	83.9654	2.1800e-003	2.0900e-003	84.6427

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2022****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	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.939 3	1,103.939 3	0.3570		1,112.865 2
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.939 3	1,103.939 3	0.3570		1,112.865 2

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	0.0122	0.3065	0.1125	1.3100e-003	0.0449	3.6500e-003	0.0485	0.0129	3.4900e-003	0.0164		140.0482	140.0482	3.7900e-003	0.0207	146.3188
Worker	0.0551	0.0349	0.5356	1.3400e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		136.4438	136.4438	3.5500e-003	3.4000e-003	137.5444
Total	0.0673	0.3414	0.6481	2.6500e-003	0.1902	4.4100e-003	0.1946	0.0515	4.1900e-003	0.0556		276.4920	276.4920	7.3400e-003	0.0241	283.8632

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.4 Building Construction - 2022****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	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,103.939 3	1,103.939 3	0.3570		1,112.865 2
Total	0.1397	0.6052	7.7261	0.0114		0.0186	0.0186		0.0186	0.0186	0.0000	1,103.939 3	1,103.939 3	0.3570		1,112.865 2

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	0.0122	0.3065	0.1125	1.3100e-003	0.0449	3.6500e-003	0.0485	0.0129	3.4900e-003	0.0164		140.0482	140.0482	3.7900e-003	0.0207	146.3188
Worker	0.0551	0.0349	0.5356	1.3400e-003	0.1453	7.6000e-004	0.1461	0.0385	7.0000e-004	0.0392		136.4438	136.4438	3.5500e-003	3.4000e-003	137.5444
Total	0.0673	0.3414	0.6481	2.6500e-003	0.1902	4.4100e-003	0.1946	0.0515	4.1900e-003	0.0556		276.4920	276.4920	7.3400e-003	0.0241	283.8632

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2022****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	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.824 6	1,035.824 6	0.3017		1,043.367 7
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.824 6	1,035.824 6	0.3017		1,043.367 7

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	0.0762	0.0483	0.7415	1.8600e-003	0.2012	1.0600e-003	0.2023	0.0534	9.7000e-004	0.0543		188.9222	188.9222	4.9100e-003	4.7000e-003	190.4461
Total	0.0762	0.0483	0.7415	1.8600e-003	0.2012	1.0600e-003	0.2023	0.0534	9.7000e-004	0.0543		188.9222	188.9222	4.9100e-003	4.7000e-003	190.4461

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2022****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	0.1119	0.4851	6.9028	9.1300e-003		0.0149	0.0149		0.0149	0.0149	0.0000	884.2756	884.2756	0.2860		891.4254
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.1119	0.4851	6.9028	9.1300e-003		0.0149	0.0149		0.0149	0.0149	0.0000	884.2756	884.2756	0.2860		891.4254

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	0.0762	0.0483	0.7415	1.8600e-003	0.2012	1.0600e-003	0.2023	0.0534	9.7000e-004	0.0543		188.9222	188.9222	4.9100e-003	4.7000e-003	190.4461
Total	0.0762	0.0483	0.7415	1.8600e-003	0.2012	1.0600e-003	0.2023	0.0534	9.7000e-004	0.0543		188.9222	188.9222	4.9100e-003	4.7000e-003	190.4461

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2022****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	74.1600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	74.3645	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.0127	8.0500e-003	0.1236	3.1000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.6000e-004	9.0600e-003		31.4870	31.4870	8.2000e-004	7.8000e-004	31.7410
Total	0.0127	8.0500e-003	0.1236	3.1000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.6000e-004	9.0600e-003		31.4870	31.4870	8.2000e-004	7.8000e-004	31.7410

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2022****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	74.1600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	74.1897	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.0127	8.0500e-003	0.1236	3.1000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.6000e-004	9.0600e-003		31.4870	31.4870	8.2000e-004	7.8000e-004	31.7410
Total	0.0127	8.0500e-003	0.1236	3.1000e-004	0.0335	1.8000e-004	0.0337	8.8900e-003	1.6000e-004	9.0600e-003		31.4870	31.4870	8.2000e-004	7.8000e-004	31.7410

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7508	2.7572	21.3627	0.0488	4.8045	0.0364	4.8408	1.2814	0.0341	1.3155		5,018.890 2	5,018.890 2	0.2334	0.2135	5,088.360 6
Unmitigated	1.7508	2.7572	21.3627	0.0488	4.8045	0.0364	4.8408	1.2814	0.0341	1.3155		5,018.890 2	5,018.890 2	0.2334	0.2135	5,088.360 6

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	389.60	88.40	28.00	1,722,261	1,722,261
Total	389.60	88.40	28.00	1,722,261	1,722,261

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
General Office Building	30.10	15.23	12.51	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852
NaturalGas Unmitigated	4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852

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					
General Office Building	375.89	4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852
Total		4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**5.2 Energy by Land Use - NaturalGas****Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.37589	4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852
Total		4.0500e-003	0.0369	0.0310	2.2000e-004		2.8000e-003	2.8000e-003		2.8000e-003	2.8000e-003		44.2224	44.2224	8.5000e-004	8.1000e-004	44.4852

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7924	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Unmitigated	0.7924	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7920					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Total	0.7924	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7920					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Total	0.7924	4.0000e-005	4.0800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

Montclair General Office - Growth - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Montclair -Residential Development Only - San Bernardino-South Coast County, Winter

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

San Bernardino-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	506.00	Dwelling Unit	13.32	506,000.00	1447

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction of 1 year of residential growth only

Land Use - See Assumptions

Construction Phase - See Assumptions - Scaled from defaults to fit one year of construction

Off-road Equipment - Default equipment used for all phases

Trips and VMT - Defaults Used

Demolition - Based on replacement of unused buildings.

Grading - Default used

Vehicle Trips - See Assumptions.

Woodstoves - Based on SCAQMD's requirement for no wood burning hearths

Energy Use -

Water And Wastewater - See Assumptions.

Solid Waste - See Assumptions

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

[illegible]

Montclair -Residential Development Only - San Bernardino-South Coast County, Winter

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	300.00	223.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	15.00
tblFireplaces	NumberGas	430.10	6,782.57
tblFireplaces	NumberNoFireplace	50.60	797.89
tblFireplaces	NumberWood	25.30	0.00
tblGrading	AcresOfGrading	66.00	90.00
tblSolidWaste	SolidWasteGenerationRate	232.76	5,533.40
tblVehicleTrips	HO_TL	8.70	15.78
tblVehicleTrips	HS_TL	5.90	10.70
tblVehicleTrips	HW_TL	14.70	26.67
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	32,967,936.96	747,009,000.00
tblWater	OutdoorWaterUseRate	20,784,134.17	846,610,200.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	25.30	0.00
tblWoodstoves	NumberNoncatalytic	25.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Montclair -Residential Development Only - San Bernardino-South Coast County, Winter

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					
2022	216.0203	42.2087	48.9301	0.1079	27.0518	1.6361	28.4601	4.3621	1.5052	5.6759	0.0000	11,255.0276	11,255.0276	1.9497	1.1714	11,638.3791
Maximum	216.0203	42.2087	48.9301	0.1079	27.0518	1.6361	28.4601	4.3621	1.5052	5.6759	0.0000	11,255.0276	11,255.0276	1.9497	1.1714	11,638.3791

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					
2022	213.5351	18.4925	47.2077	0.1079	12.8129	0.2273	13.0402	2.2063	0.2201	2.4264	0.0000	11,255.0276	11,255.0276	1.9497	1.1714	11,638.3791
Maximum	213.5351	18.4925	47.2077	0.1079	12.8129	0.2273	13.0402	2.2063	0.2201	2.4264	0.0000	11,255.0276	11,255.0276	1.9497	1.1714	11,638.3791

	ROG	NOx	CO	SO2	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	1.15	56.19	3.52	0.00	52.64	86.11	54.18	49.42	85.38	57.25	0.00	0.00	0.00	0.00	0.00	0.00

Montclair -Residential Development Only - San Bernardino-South Coast 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	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277	0.0000	143,706.0616	143,706.0616	2.8252	2.6332	144,561.3952
Energy	0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887
Mobile	11.5086	21.7837	138.8089	0.3383	36.0265	0.2716	36.2980	9.6088	0.2543	9.8632		34,508.4759	34,508.4759	1.7362	1.6283	35,037.1151
Total	37.0340	136.6133	229.2227	1.0704	36.0265	9.7478	45.7743	9.6088	9.7306	19.3394	0.0000	180,560.1871	180,560.1871	4.6064	4.3045	181,958.0990

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	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277	0.0000	143,706.0616	143,706.0616	2.8252	2.6332	144,561.3952
Energy	0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887
Mobile	11.5086	21.7837	138.8089	0.3383	36.0265	0.2716	36.2980	9.6088	0.2543	9.8632		34,508.4759	34,508.4759	1.7362	1.6283	35,037.1151
Total	37.0340	136.6133	229.2227	1.0704	36.0265	9.7478	45.7743	9.6088	9.7306	19.3394	0.0000	180,560.1871	180,560.1871	4.6064	4.3045	181,958.0990

Montclair -Residential Development Only - San Bernardino-South Coast 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
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	1/1/2022	1/21/2022	5	15	
2	Grading	Grading	1/22/2022	2/22/2022	5	22	
3	Building Construction	Building Construction	2/23/2022	12/30/2022	5	223	
4	Paving	Paving	2/23/2022	3/15/2022	5	15	
5	Architectural Coating	Architectural Coating	2/26/2022	3/18/2022	5	15	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 90****Acres of Paving: 0****Residential Indoor: 1,024,650; Residential Outdoor: 341,550; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40

Montclair -Residential Development Only - San Bernardino-South Coast County, Winter

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

Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	1,724.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	364.00	54.00	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
Architectural Coating	1	73.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Montclair -Residential Development Only - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Demolition - 2022****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					24.8713	0.0000	24.8713	3.7657	0.0000	3.7657			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	24.8713	1.2427	26.1140	3.7657	1.1553	4.9210		3,746.781 2	3,746.781 2	1.0524		3,773.092 0

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	0.4167	16.4470	4.1794	0.0677	2.0128	0.1648	2.1776	0.5519	0.1577	0.7096		7,366.574 7	7,366.574 7	0.3143	1.1674	7,722.307 8
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	0.0610	0.0423	0.5069	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		141.6717	141.6717	4.0800e-003	4.0400e-003	142.9792
Total	0.4778	16.4893	4.6863	0.0691	2.1804	0.1657	2.3461	0.5964	0.1585	0.7549		7,508.246 4	7,508.246 4	0.3184	1.1714	7,865.287 0

Montclair -Residential Development Only - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Demolition - 2022****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					10.6325	0.0000	10.6325	1.6099	0.0000	1.6099			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	0.4623	2.0032	23.2798	0.0388	10.6325	0.0616	10.6941	1.6099	0.0616	1.6715	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0

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	0.4167	16.4470	4.1794	0.0677	2.0128	0.1648	2.1776	0.5519	0.1577	0.7096		7,366.574 7	7,366.574 7	0.3143	1.1674	7,722.307 8
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	0.0610	0.0423	0.5069	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		141.6717	141.6717	4.0800e-003	4.0400e-003	142.9792
Total	0.4778	16.4893	4.6863	0.0691	2.1804	0.1657	2.3461	0.5964	0.1585	0.7549		7,508.246 4	7,508.246 4	0.3184	1.1714	7,865.287 0

Montclair -Residential Development Only - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 2022****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					10.3605	0.0000	10.3605	3.7787	0.0000	3.7787			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	10.3605	1.6349	11.9954	3.7787	1.5041	5.2828		6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0813	0.0564	0.6759	1.8700e-003	0.2236	1.1700e-003	0.2247	0.0593	1.0800e-003	0.0604		188.8956	188.8956	5.4400e-003	5.3900e-003	190.6390
Total	0.0813	0.0564	0.6759	1.8700e-003	0.2236	1.1700e-003	0.2247	0.0593	1.0800e-003	0.0604		188.8956	188.8956	5.4400e-003	5.3900e-003	190.6390

Montclair -Residential Development Only - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 2022****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					4.4291	0.0000	4.4291	1.6154	0.0000	1.6154			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,011.410 5	6,011.410 5	1.9442		6,060.015 8
Total	0.7616	3.3000	32.9991	0.0621	4.4291	0.1015	4.5307	1.6154	0.1015	1.7169	0.0000	6,011.410 5	6,011.410 5	1.9442		6,060.015 8

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	0.0813	0.0564	0.6759	1.8700e-003	0.2236	1.1700e-003	0.2247	0.0593	1.0800e-003	0.0604		188.8956	188.8956	5.4400e-003	5.3900e-003	190.6390
Total	0.0813	0.0564	0.6759	1.8700e-003	0.2236	1.1700e-003	0.2247	0.0593	1.0800e-003	0.0604		188.8956	188.8956	5.4400e-003	5.3900e-003	190.6390

Montclair -Residential Development Only - San Bernardino-South Coast 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 - 2022****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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2

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	0.0904	2.4824	0.8984	0.0101	0.3460	0.0282	0.3742	0.0996	0.0270	0.1266		1,081.563 4	1,081.563 4	0.0290	0.1602	1,130.014 8
Worker	1.4805	1.0266	12.3005	0.0340	4.0687	0.0213	4.0900	1.0790	0.0196	1.0987		3,437.900 6	3,437.900 6	0.0991	0.0982	3,469.629 1
Total	1.5709	3.5090	13.1989	0.0441	4.4146	0.0495	4.4642	1.1787	0.0466	1.2253		4,519.463 9	4,519.463 9	0.1281	0.2583	4,599.643 9

Montclair -Residential Development Only - San Bernardino-South Coast 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 - 2022

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	0.2182	0.9457	11.9070	0.0178		0.0291	0.0291		0.0291	0.0291	0.0000	1,723.821 3	1,723.821 3	0.5575		1,737.759 3
Total	0.2182	0.9457	11.9070	0.0178		0.0291	0.0291		0.0291	0.0291	0.0000	1,723.821 3	1,723.821 3	0.5575		1,737.759 3

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	0.0904	2.4824	0.8984	0.0101	0.3460	0.0282	0.3742	0.0996	0.0270	0.1266		1,081.563 4	1,081.563 4	0.0290	0.1602	1,130.014 8
Worker	1.4805	1.0266	12.3005	0.0340	4.0687	0.0213	4.0900	1.0790	0.0196	1.0987		3,437.900 6	3,437.900 6	0.0991	0.0982	3,469.629 1
Total	1.5709	3.5090	13.1989	0.0441	4.4146	0.0495	4.4642	1.1787	0.0466	1.2253		4,519.463 9	4,519.463 9	0.1281	0.2583	4,599.643 9

Montclair -Residential Development Only - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Paving - 2022****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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4

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	0.0610	0.0423	0.5069	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		141.6717	141.6717	4.0800e-003	4.0400e-003	142.9792
Total	0.0610	0.0423	0.5069	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		141.6717	141.6717	4.0800e-003	4.0400e-003	142.9792

Montclair -Residential Development Only - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Paving - 2022****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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4

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	0.0610	0.0423	0.5069	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		141.6717	141.6717	4.0800e-003	4.0400e-003	142.9792
Total	0.0610	0.0423	0.5069	1.4000e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		141.6717	141.6717	4.0800e-003	4.0400e-003	142.9792

Montclair -Residential Development Only - San Bernardino-South Coast 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 - 2022****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	211.0779					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	211.2824	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.2969	0.2059	2.4669	6.8200e-003	0.8160	4.2800e-003	0.8202	0.2164	3.9400e-003	0.2203		689.4691	689.4691	0.0199	0.0197	695.8322
Total	0.2969	0.2059	2.4669	6.8200e-003	0.8160	4.2800e-003	0.8202	0.2164	3.9400e-003	0.2203		689.4691	689.4691	0.0199	0.0197	695.8322

Montclair -Residential Development Only - San Bernardino-South Coast 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 - 2022****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	211.0779					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	211.1076	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.2969	0.2059	2.4669	6.8200e-003	0.8160	4.2800e-003	0.8202	0.2164	3.9400e-003	0.2203		689.4691	689.4691	0.0199	0.0197	695.8322
Total	0.2969	0.2059	2.4669	6.8200e-003	0.8160	4.2800e-003	0.8202	0.2164	3.9400e-003	0.2203		689.4691	689.4691	0.0199	0.0197	695.8322

Montclair -Residential Development Only - San Bernardino-South Coast 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	11.5086	21.7837	138.8089	0.3383	36.0265	0.2716	36.2980	9.6088	0.2543	9.8632		34,508.47 59	34,508.47 59	1.7362	1.6283	35,037.11 51
Unmitigated	11.5086	21.7837	138.8089	0.3383	36.0265	0.2716	36.2980	9.6088	0.2543	9.8632		34,508.47 59	34,508.47 59	1.7362	1.6283	35,037.11 51

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,752.64	2,484.46	2069.54	16,218,501	16,218,501
Total	2,752.64	2,484.46	2,069.54	16,218,501	16,218,501

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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	26.67	10.70	15.78	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

Montclair -Residential Development Only - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.0 Energy Detail**

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887
NaturalGas Unmitigated	0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887

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	19938	0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887
Total		0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887

Montclair -Residential Development Only - San Bernardino-South Coast 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	19.938	0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887
Total		0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277	0.0000	143,706.0616	143,706.0616	2.8252	2.6332	144,561.3952
Unmitigated	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277	0.0000	143,706.0616	143,706.0616	2.8252	2.6332	144,561.3952

Montclair -Residential Development Only - San Bernardino-South Coast 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****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	0.8674					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0188					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	13.1662	112.5109	47.8770	0.7182		9.0966	9.0966		9.0966	9.0966	0.0000	143,630.8941	143,630.8941	2.7529	2.6332	144,484.4207
Landscaping	1.2579	0.4813	41.7550	2.2000e-003		0.2311	0.2311		0.2311	0.2311		75.1675	75.1675	0.0723		76.9745
Total	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277	0.0000	143,706.0616	143,706.0616	2.8252	2.6332	144,561.3952

Montclair -Residential Development Only - San Bernardino-South Coast 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	0.8674					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0188					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	13.1662	112.5109	47.8770	0.7182		9.0966	9.0966		9.0966	9.0966	0.0000	143,630.8941	143,630.8941	2.7529	2.6332	144,484.4207
Landscaping	1.2579	0.4813	41.7550	2.2000e-003		0.2311	0.2311		0.2311	0.2311		75.1675	75.1675	0.0723		76.9745
Total	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277	0.0000	143,706.0616	143,706.0616	2.8252	2.6332	144,561.3952

7.0 Water Detail**7.1 Mitigation Measures Water**

Montclair -Residential Development Only - San Bernardino-South Coast 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**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Montclair -Residential Development Only - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Montclair -Residential Development Only
San Bernardino-South Coast County, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	506.00	Dwelling Unit	13.32	506,000.00	1447

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction of 1 year of residential growth only

Land Use - See Assumptions

Construction Phase - See Assumptions - Scaled from defaults to fit one year of construction

Off-road Equipment - Default equipment used for all phases

Trips and VMT - Defaults Used

Demolition - Based on replacement of unused buildings.

Grading - Default used

Vehicle Trips - See Assumptions.

Woodstoves - Based on SCAQMD's requirement for no wood burning hearths

Energy Use -

Water And Wastewater - See Assumptions.

Solid Waste - See Assumptions

Montclair -Residential Development Only - San Bernardino-South Coast County, Summer

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	300.00	223.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	15.00
tblFireplaces	NumberGas	430.10	6,782.57
tblFireplaces	NumberNoFireplace	50.60	797.89
tblFireplaces	NumberWood	25.30	0.00
tblGrading	AcresOfGrading	66.00	90.00
tblSolidWaste	SolidWasteGenerationRate	232.76	5,533.40
tblVehicleTrips	HO_TL	8.70	15.78
tblVehicleTrips	HS_TL	5.90	10.70
tblVehicleTrips	HW_TL	14.70	26.67
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	32,967,936.96	747,009,000.00
tblWater	OutdoorWaterUseRate	20,784,134.17	846,610,200.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	NumberCatalytic	25.30	0.00
tblWoodstoves	NumberNoncatalytic	25.30	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Montclair -Residential Development Only - San Bernardino-South Coast 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					
2022	216.0993	41.4241	52.2199	0.1094	27.0518	1.6361	28.4598	4.3621	1.5052	5.6756	0.0000	11,264.28 25	11,264.28 25	1.9497	1.1704	11,647.35 85
Maximum	216.0993	41.4241	52.2199	0.1094	27.0518	1.6361	28.4598	4.3621	1.5052	5.6756	0.0000	11,264.28 25	11,264.28 25	1.9497	1.1704	11,647.35 85

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					
2022	213.6141	17.7079	50.4975	0.1080	12.8129	0.2271	13.0400	2.2063	0.2199	2.4261	0.0000	11,264.28 25	11,264.28 25	1.9497	1.1704	11,647.35 85
Maximum	213.6141	17.7079	50.4975	0.1080	12.8129	0.2271	13.0400	2.2063	0.2199	2.4261	0.0000	11,264.28 25	11,264.28 25	1.9497	1.1704	11,647.35 85

	ROG	NOx	CO	SO2	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	1.15	57.25	3.30	1.33	52.64	86.12	54.18	49.42	85.39	57.25	0.00	0.00	0.00	0.00	0.00	0.00

Montclair -Residential Development Only - San Bernardino-South Coast 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	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277	0.0000	143,706.0616	143,706.0616	2.8252	2.6332	144,561.3952
Energy	0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887
Mobile	12.7872	20.5229	159.1055	0.3653	36.0265	0.2714	36.2979	9.6088	0.2542	9.8631		37,231.7798	37,231.7798	1.7309	1.5902	37,748.9447
Total	38.3126	135.3525	249.5193	1.0974	36.0265	9.7477	45.7742	9.6088	9.7305	19.3393	0.0000	183,283.4910	183,283.4910	4.6011	4.2665	184,669.9286

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	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277	0.0000	143,706.0616	143,706.0616	2.8252	2.6332	144,561.3952
Energy	0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887
Mobile	12.7872	20.5229	159.1055	0.3653	36.0265	0.2714	36.2979	9.6088	0.2542	9.8631		37,231.7798	37,231.7798	1.7309	1.5902	37,748.9447
Total	38.3126	135.3525	249.5193	1.0974	36.0265	9.7477	45.7742	9.6088	9.7305	19.3393	0.0000	183,283.4910	183,283.4910	4.6011	4.2665	184,669.9286

Montclair -Residential Development Only - San Bernardino-South Coast 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	1/1/2022	1/21/2022	5	15	
2	Grading	Grading	1/22/2022	2/22/2022	5	22	
3	Building Construction	Building Construction	2/23/2022	12/30/2022	5	223	
4	Paving	Paving	2/23/2022	3/15/2022	5	15	
5	Architectural Coating	Architectural Coating	2/26/2022	3/18/2022	5	15	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 90****Acres of Paving: 0****Residential Indoor: 1,024,650; Residential Outdoor: 341,550; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40

Montclair -Residential Development Only - San Bernardino-South Coast County, Summer

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

Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	1,724.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	364.00	54.00	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
Architectural Coating	1	73.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Montclair -Residential Development Only - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Demolition - 2022****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					24.8713	0.0000	24.8713	3.7657	0.0000	3.7657			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	24.8713	1.2427	26.1140	3.7657	1.1553	4.9210		3,746.781 2	3,746.781 2	1.0524		3,773.092 0

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	0.4346	15.6645	4.0871	0.0676	2.0128	0.1645	2.1773	0.5519	0.1574	0.7093		7,361.078 7	7,361.078 7	0.3152	1.1665	7,716.573 9
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	0.0635	0.0402	0.6171	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		156.4227	156.4227	4.0900e-003	3.9200e-003	157.6925
Total	0.4981	15.7047	4.7042	0.0692	2.1804	0.1654	2.3458	0.5964	0.1582	0.7546		7,517.501 4	7,517.501 4	0.3193	1.1704	7,874.266 4

Montclair -Residential Development Only - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Demolition - 2022****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					10.6325	0.0000	10.6325	1.6099	0.0000	1.6099			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	0.4623	2.0032	23.2798	0.0388	10.6325	0.0616	10.6941	1.6099	0.0616	1.6715	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0

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	0.4346	15.6645	4.0871	0.0676	2.0128	0.1645	2.1773	0.5519	0.1574	0.7093		7,361.078 7	7,361.078 7	0.3152	1.1665	7,716.573 9
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	0.0635	0.0402	0.6171	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		156.4227	156.4227	4.0900e-003	3.9200e-003	157.6925
Total	0.4981	15.7047	4.7042	0.0692	2.1804	0.1654	2.3458	0.5964	0.1582	0.7546		7,517.501 4	7,517.501 4	0.3193	1.1704	7,874.266 4

Montclair -Residential Development Only - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 2022****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					10.3605	0.0000	10.3605	3.7787	0.0000	3.7787			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	10.3605	1.6349	11.9954	3.7787	1.5041	5.2828		6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0847	0.0536	0.8228	2.0600e-003	0.2236	1.1700e-003	0.2247	0.0593	1.0800e-003	0.0604		208.5636	208.5636	5.4600e-003	5.2200e-003	210.2567
Total	0.0847	0.0536	0.8228	2.0600e-003	0.2236	1.1700e-003	0.2247	0.0593	1.0800e-003	0.0604		208.5636	208.5636	5.4600e-003	5.2200e-003	210.2567

Montclair -Residential Development Only - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 2022****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					4.4291	0.0000	4.4291	1.6154	0.0000	1.6154			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	0.7616	3.3000	32.9991	0.0621	4.4291	0.1015	4.5307	1.6154	0.1015	1.7169	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.0847	0.0536	0.8228	2.0600e-003	0.2236	1.1700e-003	0.2247	0.0593	1.0800e-003	0.0604		208.5636	208.5636	5.4600e-003	5.2200e-003	210.2567
Total	0.0847	0.0536	0.8228	2.0600e-003	0.2236	1.1700e-003	0.2247	0.0593	1.0800e-003	0.0604		208.5636	208.5636	5.4600e-003	5.2200e-003	210.2567

Montclair -Residential Development Only - San Bernardino-South Coast 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 - 2022****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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2

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	0.0941	2.3647	0.8678	0.0101	0.3460	0.0281	0.3741	0.0996	0.0269	0.1265		1,080.371 7	1,080.371 7	0.0292	0.1599	1,128.745 0
Worker	1.5411	0.9760	14.9744	0.0376	4.0687	0.0213	4.0900	1.0790	0.0196	1.0987		3,795.857 1	3,795.857 1	0.0993	0.0951	3,826.672 2
Total	1.6352	3.3407	15.8422	0.0476	4.4146	0.0495	4.4641	1.1787	0.0466	1.2252		4,876.228 8	4,876.228 8	0.1285	0.2550	4,955.417 2

Montclair -Residential Development Only - San Bernardino-South Coast 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 - 2022

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	0.2182	0.9457	11.9070	0.0178		0.0291	0.0291		0.0291	0.0291	0.0000	1,723.821 3	1,723.821 3	0.5575		1,737.759 3
Total	0.2182	0.9457	11.9070	0.0178		0.0291	0.0291		0.0291	0.0291	0.0000	1,723.821 3	1,723.821 3	0.5575		1,737.759 3

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	0.0941	2.3647	0.8678	0.0101	0.3460	0.0281	0.3741	0.0996	0.0269	0.1265		1,080.371 7	1,080.371 7	0.0292	0.1599	1,128.745 0
Worker	1.5411	0.9760	14.9744	0.0376	4.0687	0.0213	4.0900	1.0790	0.0196	1.0987		3,795.857 1	3,795.857 1	0.0993	0.0951	3,826.672 2
Total	1.6352	3.3407	15.8422	0.0476	4.4146	0.0495	4.4641	1.1787	0.0466	1.2252		4,876.228 8	4,876.228 8	0.1285	0.2550	4,955.417 2

Montclair -Residential Development Only - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Paving - 2022****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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4

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	0.0635	0.0402	0.6171	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		156.4227	156.4227	4.0900e-003	3.9200e-003	157.6925
Total	0.0635	0.0402	0.6171	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		156.4227	156.4227	4.0900e-003	3.9200e-003	157.6925

Montclair -Residential Development Only - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Paving - 2022****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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4

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	0.0635	0.0402	0.6171	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		156.4227	156.4227	4.0900e-003	3.9200e-003	157.6925
Total	0.0635	0.0402	0.6171	1.5500e-003	0.1677	8.8000e-004	0.1685	0.0445	8.1000e-004	0.0453		156.4227	156.4227	4.0900e-003	3.9200e-003	157.6925

Montclair -Residential Development Only - San Bernardino-South Coast 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 - 2022****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	211.0779					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	211.2824	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.3091	0.1957	3.0031	7.5300e-003	0.8160	4.2800e-003	0.8202	0.2164	3.9400e-003	0.2203		761.2571	761.2571	0.0199	0.0191	767.4370
Total	0.3091	0.1957	3.0031	7.5300e-003	0.8160	4.2800e-003	0.8202	0.2164	3.9400e-003	0.2203		761.2571	761.2571	0.0199	0.0191	767.4370

Montclair -Residential Development Only - San Bernardino-South Coast 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 - 2022****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	211.0779					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	211.1076	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.3091	0.1957	3.0031	7.5300e-003	0.8160	4.2800e-003	0.8202	0.2164	3.9400e-003	0.2203		761.2571	761.2571	0.0199	0.0191	767.4370
Total	0.3091	0.1957	3.0031	7.5300e-003	0.8160	4.2800e-003	0.8202	0.2164	3.9400e-003	0.2203		761.2571	761.2571	0.0199	0.0191	767.4370

Montclair -Residential Development Only - San Bernardino-South Coast 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	12.7872	20.5229	159.1055	0.3653	36.0265	0.2714	36.2979	9.6088	0.2542	9.8631		37,231.77 98	37,231.77 98	1.7309	1.5902	37,748.94 47
Unmitigated	12.7872	20.5229	159.1055	0.3653	36.0265	0.2714	36.2979	9.6088	0.2542	9.8631		37,231.77 98	37,231.77 98	1.7309	1.5902	37,748.94 47

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	2,752.64	2,484.46	2069.54	16,218,501	16,218,501
Total	2,752.64	2,484.46	2,069.54	16,218,501	16,218,501

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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	26.67	10.70	15.78	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.537785	0.055838	0.172353	0.139003	0.027005	0.007196	0.011392	0.017285	0.000559	0.000254	0.025303	0.000954	0.005071

Montclair -Residential Development Only - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.0 Energy Detail**

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887
NaturalGas Unmitigated	0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887

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	19938	0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887
Total		0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887

Montclair -Residential Development Only - San Bernardino-South Coast 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	19.938	0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887
Total		0.2150	1.8374	0.7819	0.0117		0.1486	0.1486		0.1486	0.1486		2,345.6496	2,345.6496	0.0450	0.0430	2,359.5887

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277	0.0000	143,706.0616	143,706.0616	2.8252	2.6332	144,561.3952
Unmitigated	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277	0.0000	143,706.0616	143,706.0616	2.8252	2.6332	144,561.3952

Montclair -Residential Development Only - San Bernardino-South Coast 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****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	0.8674					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0188					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	13.1662	112.5109	47.8770	0.7182		9.0966	9.0966		9.0966	9.0966	0.0000	143,630.8941	143,630.8941	2.7529	2.6332	144,484.4207
Landscaping	1.2579	0.4813	41.7550	2.2000e-003		0.2311	0.2311		0.2311	0.2311		75.1675	75.1675	0.0723		76.9745
Total	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277	0.0000	143,706.0616	143,706.0616	2.8252	2.6332	144,561.3952

Montclair -Residential Development Only - San Bernardino-South Coast 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	0.8674					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0188					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	13.1662	112.5109	47.8770	0.7182		9.0966	9.0966		9.0966	9.0966	0.0000	143,630.8941	143,630.8941	2.7529	2.6332	144,484.4207
Landscaping	1.2579	0.4813	41.7550	2.2000e-003		0.2311	0.2311		0.2311	0.2311		75.1675	75.1675	0.0723		76.9745
Total	25.3103	112.9922	89.6319	0.7204		9.3277	9.3277		9.3277	9.3277	0.0000	143,706.0616	143,706.0616	2.8252	2.6332	144,561.3952

7.0 Water Detail**7.1 Mitigation Measures Water**

Montclair -Residential Development Only - San Bernardino-South Coast 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**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Operational CalEEMod Output

Montclair - Buildout - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Montclair - Buildout**
San Bernardino-South Coast County, Winter**1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	950.00	1000sqft	21.81	950,000.00	0
Industrial Park	54,900.00	1000sqft	993.45	54,900,000.00	0
Hotel	403.00	Room	13.43	585,156.00	0
Apartments Mid Rise	12,321.00	Dwelling Unit	324.24	12,321,000.00	24227
Single Family Housing	6,459.00	Dwelling Unit	2,675.47	11,626,200.00	18473
Strip Mall	4,600.00	1000sqft	105.60	4,600,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - Construction Modeled Separately for Growth

Off-road Equipment - Construction Modeled Separately for Growth

Trips and VMT - Construction Modeled Separately for Growth

Architectural Coating - Construction Modeled Separately for Growth

Woodstoves - See Assumptions

Montclair - Buildout - San Bernardino-South Coast County, Winter

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

Energy Use - Default 2019 Title 24 assumed

Solid Waste - See Assumptions - SF and Apartment adjusted to account for project specific information.

Water And Wastewater - Based on Project specific data. Apartment water accounted for under SFR. Assumes no septic in City

Vehicle Trips - Trip length adjusted to be consistent with Project specific VMT.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	30,517,578.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	91,552,734.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	16,164,360.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	48,493,080.00	0.00
tblConstructionPhase	NumDays	11,000.00	1.00
tblFireplaces	NumberGas	10,472.85	10,811.96
tblFireplaces	NumberNoFireplace	1,232.10	1,271.99
tblFireplaces	NumberWood	616.05	237.05
tblLandUse	LotAcreage	1,260.33	993.45
tblLandUse	LotAcreage	2,097.08	2,675.47
tblLandUse	Population	35,238.00	24,227.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblSolidWaste	SolidWasteGenerationRate	5,667.66	8,994.33
tblSolidWaste	SolidWasteGenerationRate	7,573.93	14,416.33
tblTripsAndVMT	WorkerTripNumber	7,255.00	0.00
tblVehicleTrips	CC_TL	8.40	6.97
tblVehicleTrips	CC_TL	8.40	6.97
tblVehicleTrips	CC_TL	8.40	6.97
tblVehicleTrips	CC_TL	8.40	6.97
tblVehicleTrips	CNW_TL	6.90	5.73
tblVehicleTrips	CNW_TL	6.90	5.73
tblVehicleTrips	CNW_TL	6.90	5.73
tblVehicleTrips	CNW_TL	6.90	5.73

Montclair - Buildout - San Bernardino-South Coast County, Winter

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

tblVehicleTrips	CW_TL	16.60	13.79
tblVehicleTrips	CW_TL	16.60	13.79
tblVehicleTrips	CW_TL	16.60	13.79
tblVehicleTrips	CW_TL	16.60	13.79
tblVehicleTrips	HO_TL	8.70	7.23
tblVehicleTrips	HO_TL	8.70	7.23
tblVehicleTrips	HS_TL	5.90	4.90
tblVehicleTrips	HS_TL	5.90	4.90
tblVehicleTrips	HW_TL	14.70	12.21
tblVehicleTrips	HW_TL	14.70	12.21
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	802,762,749.68	0.00
tblWater	IndoorWaterUseRate	168,847,060.59	6,368,227.73
tblWater	IndoorWaterUseRate	10,222,808.31	28,095,145.00
tblWater	IndoorWaterUseRate	12,695,625,000.00	62,341,597.80
tblWater	IndoorWaterUseRate	420,829,851.49	1,850,769,000.00
tblWater	IndoorWaterUseRate	340,733,598.83	107,924,660.00
tblWater	OutdoorWaterUseRate	506,089,559.58	0.00

Montclair - Buildout - San Bernardino-South Coast County, Winter

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

tblWater	OutdoorWaterUseRate	103,486,908.11	18,849,954.09
tblWater	OutdoorWaterUseRate	1,135,867.59	14,268,215.00
tblWater	OutdoorWaterUseRate	0.00	102,240,220.39
tblWater	OutdoorWaterUseRate	265,305,775.94	2,097,538,200.00
tblWater	OutdoorWaterUseRate	208,836,721.86	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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

Unmitigated Construction

[illegible]

Montclair - Buildout - San Bernardino-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5,077.9647	393.0530	9,150.2677	21.3924		1,176.3379	1,176.3379		1,176.3379	1,176.3379	149,643.9052	348,024.2830	497,668.1881	527.4272	9.7536	513,760.4300
Energy	17.6209	154.3896	92.0240	0.9611		12.1744	12.1744		12.1744	12.1744		192,227.8607	192,227.8607	3.6844	3.5242	193,370.1748
Mobile	806.4313	1,088.9674	8,231.4876	19.2529	2,804.9417	11.0874	2,816.0291	747.6452	10.3996	758.0448		2,141,365.9598	2,141,365.9598	106.0836	100.4508	2,173,952.3925
Total	5,902.0169	1,636.4100	17,473.7794	41.6064	2,804.9417	1,199.5998	4,004.5415	747.6452	1,198.9119	1,946.5571	149,643.9052	2,681,618.1035	2,831,262.0086	637.1951	113.7286	2,881,082.9973

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	5,077.9647	393.0530	9,150.2677	21.3924		1,176.3379	1,176.3379		1,176.3379	1,176.3379	149,643.9052	348,024.2830	497,668.1881	527.4272	9.7536	513,760.4300
Energy	17.6209	154.3896	92.0240	0.9611		12.1744	12.1744		12.1744	12.1744		192,227.8607	192,227.8607	3.6844	3.5242	193,370.1748
Mobile	806.4313	1,088.9674	8,231.4876	19.2529	2,804.9417	11.0874	2,816.0291	747.6452	10.3996	758.0448		2,141,365.9598	2,141,365.9598	106.0836	100.4508	2,173,952.3925
Total	5,902.0169	1,636.4100	17,473.7794	41.6064	2,804.9417	1,199.5998	4,004.5415	747.6452	1,198.9119	1,946.5571	149,643.9052	2,681,618.1035	2,831,262.0086	637.1951	113.7286	2,881,082.9973

Montclair - Buildout - San Bernardino-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	3/22/2021	3/22/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Montclair - Buildout - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Architectural Coating - 2021****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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Montclair - Buildout - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Architectural Coating - 2021****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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Montclair - Buildout - San Bernardino-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	806.4313	1,088.9674	8,231.4876	19.2529	2,804.9417	11.0874	2,816.0291	747.6452	10.3996	758.0448		2,141,365.9598	2,141,365.9598	106.0836	100.4508	2,173,952.3925
Unmitigated	806.4313	1,088.9674	8,231.4876	19.2529	2,804.9417	11.0874	2,816.0291	747.6452	10.3996	758.0448		2,141,365.9598	2,141,365.9598	106.0836	100.4508	2,173,952.3925

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	67,026.24	60,496.11	50392.89	180,890,312	180,890,312
General Office Building	9,253.00	2,099.50	665.00	18,737,131	18,737,131
Hotel	3,369.08	3,300.57	2397.85	6,380,477	6,380,477
Industrial Park	185,013.00	139,446.00	68076.00	534,426,726	534,426,726
Single Family Housing	60,972.96	61,618.86	55224.45	171,030,172	171,030,172
Strip Mall	203,872.00	193,384.00	93978.00	295,008,789	295,008,789
Total	529,506.28	460,345.04	270,734.19	1,206,473,607	1,206,473,607

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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	12.21	4.90	7.23	40.20	19.20	40.60	86	11	3

Montclair - Buildout - San Bernardino-South Coast County, Winter

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

	Miles			Trip %			Trip Purpose %		
Land Use	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
General Office Building	13.79	6.97	5.73	33.00	48.00	19.00	77	19	4
Hotel	13.79	6.97	5.73	19.40	61.60	19.00	58	38	4
Industrial Park	13.79	6.97	5.73	59.00	28.00	13.00	79	19	2
Single Family Housing	12.21	4.90	7.23	40.20	19.20	40.60	86	11	3
Strip Mall	13.79	6.97	5.73	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.556303	0.059490	0.178460	0.122507	0.021438	0.006223	0.012536	0.015684	0.000507	0.000213	0.022842	0.000934	0.002862
General Office Building	0.556303	0.059490	0.178460	0.122507	0.021438	0.006223	0.012536	0.015684	0.000507	0.000213	0.022842	0.000934	0.002862
Hotel	0.556303	0.059490	0.178460	0.122507	0.021438	0.006223	0.012536	0.015684	0.000507	0.000213	0.022842	0.000934	0.002862
Industrial Park	0.556303	0.059490	0.178460	0.122507	0.021438	0.006223	0.012536	0.015684	0.000507	0.000213	0.022842	0.000934	0.002862
Single Family Housing	0.556303	0.059490	0.178460	0.122507	0.021438	0.006223	0.012536	0.015684	0.000507	0.000213	0.022842	0.000934	0.002862
Strip Mall	0.556303	0.059490	0.178460	0.122507	0.021438	0.006223	0.012536	0.015684	0.000507	0.000213	0.022842	0.000934	0.002862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Montclair - Buildout - San Bernardino-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	17.6209	154.3896	92.0240	0.9611		12.1744	12.1744		12.1744	12.1744		192,227.8607	192,227.8607	3.6844	3.5242	193,370.1748
NaturalGas Unmitigated	17.6209	154.3896	92.0240	0.9611		12.1744	12.1744		12.1744	12.1744		192,227.8607	192,227.8607	3.6844	3.5242	193,370.1748

Montclair - Buildout - San Bernardino-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	485487	5.2356	44.7410	19.0387	0.2856		3.6174	3.6174		3.6174	3.6174		57,116.1053	57,116.1053	1.0947	1.0471	57,455.5177
General Office Building	8927.4	0.0963	0.8752	0.7352	5.2500e-003		0.0665	0.0665		0.0665	0.0665		1,050.2820	1,050.2820	0.0201	0.0193	1,056.5233
Hotel	95324.3	1.0280	9.3455	7.8502	0.0561		0.7103	0.7103		0.7103	0.7103		11,214.6256	11,214.6256	0.2150	0.2056	11,281.2685
Industrial Park	515910	5.5637	50.5794	42.4867	0.3035		3.8440	3.8440		3.8440	3.8440		60,695.2458	60,695.2458	1.1633	1.1128	61,055.9273
Single Family Housing	500563	5.3982	46.1303	19.6299	0.2945		3.7297	3.7297		3.7297	3.7297		58,889.7165	58,889.7165	1.1287	1.0796	59,239.6687
Strip Mall	27726	0.2990	2.7182	2.2833	0.0163		0.2066	0.2066		0.2066	0.2066		3,261.8856	3,261.8856	0.0625	0.0598	3,281.2693
Total		17.6209	154.3896	92.0240	0.9611		12.1744	12.1744		12.1744	12.1744		192,227.8607	192,227.8607	3.6844	3.5242	193,370.1748

Montclair - Buildout - San Bernardino-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	485.487	5.2356	44.7410	19.0387	0.2856		3.6174	3.6174		3.6174	3.6174		57,116.1053	57,116.1053	1.0947	1.0471	57,455.5177
General Office Building	8.9274	0.0963	0.8752	0.7352	5.2500e-003		0.0665	0.0665		0.0665	0.0665		1,050.2820	1,050.2820	0.0201	0.0193	1,056.5233
Hotel	95.3243	1.0280	9.3455	7.8502	0.0561		0.7103	0.7103		0.7103	0.7103		11,214.6256	11,214.6256	0.2150	0.2056	11,281.2685
Industrial Park	515.91	5.5637	50.5794	42.4867	0.3035		3.8440	3.8440		3.8440	3.8440		60,695.2458	60,695.2458	1.1633	1.1128	61,055.9273
Single Family Housing	500.563	5.3982	46.1303	19.6299	0.2945		3.7297	3.7297		3.7297	3.7297		58,889.7165	58,889.7165	1.1287	1.0796	59,239.6687
Strip Mall	27.726	0.2990	2.7182	2.2833	0.0163		0.2066	0.2066		0.2066	0.2066		3,261.8856	3,261.8856	0.0625	0.0598	3,281.2693
Total		17.6209	154.3896	92.0240	0.9611		12.1744	12.1744		12.1744	12.1744		192,227.8607	192,227.8607	3.6844	3.5242	193,370.1748

6.0 Area Detail

6.1 Mitigation Measures Area

Montclair - Buildout - San Bernardino-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5,077.9647	393.0530	9,150.2677	21.3924		1,176.3379	1,176.3379		1,176.3379	1,176.3379	149,643.9052	348,024.2830	497,668.1881	527.4272	9.7536	513,760.4300
Unmitigated	5,077.9647	393.0530	9,150.2677	21.3924		1,176.3379	1,176.3379		1,176.3379	1,176.3379	149,643.9052	348,024.2830	497,668.1881	527.4272	9.7536	513,760.4300

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	196.0656					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,682.6507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3,152.5466	375.1923	7,601.5269	21.3101		1,167.7239	1,167.7239		1,167.7239	1,167.7239	149,643.9052	345,221.1529	494,865.0581	524.7374	9.7536	510,890.0561
Landscaping	46.7018	17.8607	1,548.7409	0.0823		8.6140	8.6140		8.6140	8.6140		2,803.1300	2,803.1300	2.6898		2,870.3739
Total	5,077.9647	393.0530	9,150.2677	21.3924		1,176.3379	1,176.3379		1,176.3379	1,176.3379	149,643.9052	348,024.2830	497,668.1881	527.4272	9.7536	513,760.4300

Montclair - Buildout - San Bernardino-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	196.0656					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,682.6507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3,152.5466	375.1923	7,601.5269	21.3101		1,167.7239	1,167.7239		1,167.7239	1,167.7239	149,643.9052	345,221.1529	494,865.0581	524.7374	9.7536	510,890.0561
Landscaping	46.7018	17.8607	1,548.7409	0.0823		8.6140	8.6140		8.6140	8.6140		2,803.1300	2,803.1300	2.6898		2,870.3739
Total	5,077.9647	393.0530	9,150.2677	21.3924		1,176.3379	1,176.3379		1,176.3379	1,176.3379	149,643.9052	348,024.2830	497,668.1881	527.4272	9.7536	513,760.4300

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

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
----------------	--------	-----------	------------	-------------	-------------	-----------

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

Montclair - Buildout - San Bernardino-South Coast County, Summer

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

Montclair - Buildout

San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	950.00	1000sqft	21.81	950,000.00	0
Industrial Park	54,900.00	1000sqft	993.45	54,900,000.00	0
Hotel	403.00	Room	13.43	585,156.00	0
Apartments Mid Rise	12,321.00	Dwelling Unit	324.24	12,321,000.00	24227
Single Family Housing	6,459.00	Dwelling Unit	2,675.47	11,626,200.00	18473
Strip Mall	4,600.00	1000sqft	105.60	4,600,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions

Construction Phase - Construction Modeled Separately for Growth

Off-road Equipment - Construction Modeled Separately for Growth

Trips and VMT - Construction Modeled Separately for Growth

Architectural Coating - Construction Modeled Separately for Growth

Woodstoves - See Assumptions

Montclair - Buildout - San Bernardino-South Coast County, Summer

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

Energy Use - Default 2019 Title 24 assumed

Solid Waste - See Assumptions - SF and Apartment adjusted to account for project specific information.

Water And Wastewater - Based on Project specific data. Apartment water accounted for under SFR. Assumes no septic in City

Vehicle Trips - Trip length adjusted to be consistent with Project specific VMT.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	30,517,578.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	91,552,734.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	16,164,360.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	48,493,080.00	0.00
tblConstructionPhase	NumDays	11,000.00	1.00
tblFireplaces	NumberGas	10,472.85	10,811.96
tblFireplaces	NumberNoFireplace	1,232.10	1,271.99
tblFireplaces	NumberWood	616.05	237.05
tblLandUse	LotAcreage	1,260.33	993.45
tblLandUse	LotAcreage	2,097.08	2,675.47
tblLandUse	Population	35,238.00	24,227.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblSolidWaste	SolidWasteGenerationRate	5,667.66	8,994.33
tblSolidWaste	SolidWasteGenerationRate	7,573.93	14,416.33
tblTripsAndVMT	WorkerTripNumber	7,255.00	0.00
tblVehicleTrips	CC_TL	8.40	6.97
tblVehicleTrips	CC_TL	8.40	6.97
tblVehicleTrips	CC_TL	8.40	6.97
tblVehicleTrips	CC_TL	8.40	6.97
tblVehicleTrips	CNW_TL	6.90	5.73
tblVehicleTrips	CNW_TL	6.90	5.73
tblVehicleTrips	CNW_TL	6.90	5.73
tblVehicleTrips	CNW_TL	6.90	5.73

Montclair - Buildout - San Bernardino-South Coast County, Summer

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

tblVehicleTrips	CW_TL	16.60	13.79
tblVehicleTrips	CW_TL	16.60	13.79
tblVehicleTrips	CW_TL	16.60	13.79
tblVehicleTrips	CW_TL	16.60	13.79
tblVehicleTrips	HO_TL	8.70	7.23
tblVehicleTrips	HO_TL	8.70	7.23
tblVehicleTrips	HS_TL	5.90	4.90
tblVehicleTrips	HS_TL	5.90	4.90
tblVehicleTrips	HW_TL	14.70	12.21
tblVehicleTrips	HW_TL	14.70	12.21
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	802,762,749.68	0.00
tblWater	IndoorWaterUseRate	168,847,060.59	6,368,227.73
tblWater	IndoorWaterUseRate	10,222,808.31	28,095,145.00
tblWater	IndoorWaterUseRate	12,695,625,000.00	62,341,597.80
tblWater	IndoorWaterUseRate	420,829,851.49	1,850,769,000.00
tblWater	IndoorWaterUseRate	340,733,598.83	107,924,660.00
tblWater	OutdoorWaterUseRate	506,089,559.58	0.00

Montclair - Buildout - San Bernardino-South Coast County, Summer

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

tblWater	OutdoorWaterUseRate	103,486,908.11	18,849,954.09
tblWater	OutdoorWaterUseRate	1,135,867.59	14,268,215.00
tblWater	OutdoorWaterUseRate	0.00	102,240,220.39
tblWater	OutdoorWaterUseRate	265,305,775.94	2,097,538,200.00
tblWater	OutdoorWaterUseRate	208,836,721.86	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary

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

Unmitigated Construction

Mitigated Construction

[illegible]

Montclair - Buildout - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5,077.9647	393.0530	9,150.2677	21.3924		1,176.3379	1,176.3379		1,176.3379	1,176.3379	149,643.9052	348,024.2830	497,668.1881	527.4272	9.7536	513,760.4300
Energy	17.6209	154.3896	92.0240	0.9611		12.1744	12.1744		12.1744	12.1744		192,227.8607	192,227.8607	3.6844	3.5242	193,370.1748
Mobile	944.0582	1,019.1473	8,991.2242	20.7491	2,804.9417	11.0743	2,816.0160	747.6452	10.3870	758.0322		2,310,209.8956	2,310,209.8956	103.3287	97.9597	2,341,985.0890
Total	6,039.6438	1,566.5899	18,233.5159	43.1026	2,804.9417	1,199.5866	4,004.5283	747.6452	1,198.8993	1,946.5445	149,643.9052	2,850,462.0392	3,000,105.9444	634.4402	111.2374	3,049,115.6937

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	5,077.9647	393.0530	9,150.2677	21.3924		1,176.3379	1,176.3379		1,176.3379	1,176.3379	149,643.9052	348,024.2830	497,668.1881	527.4272	9.7536	513,760.4300
Energy	17.6209	154.3896	92.0240	0.9611		12.1744	12.1744		12.1744	12.1744		192,227.8607	192,227.8607	3.6844	3.5242	193,370.1748
Mobile	944.0582	1,019.1473	8,991.2242	20.7491	2,804.9417	11.0743	2,816.0160	747.6452	10.3870	758.0322		2,310,209.8956	2,310,209.8956	103.3287	97.9597	2,341,985.0890
Total	6,039.6438	1,566.5899	18,233.5159	43.1026	2,804.9417	1,199.5866	4,004.5283	747.6452	1,198.8993	1,946.5445	149,643.9052	2,850,462.0392	3,000,105.9444	634.4402	111.2374	3,049,115.6937

Montclair - Buildout - San Bernardino-South Coast County, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	3/22/2021	3/22/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Montclair - Buildout - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Architectural Coating - 2021****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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Montclair - Buildout - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Architectural Coating - 2021****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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Montclair - Buildout - San Bernardino-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	944.0582	1,019.1473	8,991.2242	20.7491	2,804.9417	11.0743	2,816.0160	747.6452	10.3870	758.0322		2,310,209.8956	2,310,209.8956	103.3287	97.9597	2,341,985.0890
Unmitigated	944.0582	1,019.1473	8,991.2242	20.7491	2,804.9417	11.0743	2,816.0160	747.6452	10.3870	758.0322		2,310,209.8956	2,310,209.8956	103.3287	97.9597	2,341,985.0890

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	67,026.24	60,496.11	50392.89	180,890,312	180,890,312
General Office Building	9,253.00	2,099.50	665.00	18,737,131	18,737,131
Hotel	3,369.08	3,300.57	2397.85	6,380,477	6,380,477
Industrial Park	185,013.00	139,446.00	68076.00	534,426,726	534,426,726
Single Family Housing	60,972.96	61,618.86	55224.45	171,030,172	171,030,172
Strip Mall	203,872.00	193,384.00	93978.00	295,008,789	295,008,789
Total	529,506.28	460,345.04	270,734.19	1,206,473,607	1,206,473,607

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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	12.21	4.90	7.23	40.20	19.20	40.60	86	11	3

Montclair - Buildout - San Bernardino-South Coast County, Summer

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

	Miles			Trip %			Trip Purpose %		
Land Use	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
General Office Building	13.79	6.97	5.73	33.00	48.00	19.00	77	19	4
Hotel	13.79	6.97	5.73	19.40	61.60	19.00	58	38	4
Industrial Park	13.79	6.97	5.73	59.00	28.00	13.00	79	19	2
Single Family Housing	12.21	4.90	7.23	40.20	19.20	40.60	86	11	3
Strip Mall	13.79	6.97	5.73	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.556303	0.059490	0.178460	0.122507	0.021438	0.006223	0.012536	0.015684	0.000507	0.000213	0.022842	0.000934	0.002862
General Office Building	0.556303	0.059490	0.178460	0.122507	0.021438	0.006223	0.012536	0.015684	0.000507	0.000213	0.022842	0.000934	0.002862
Hotel	0.556303	0.059490	0.178460	0.122507	0.021438	0.006223	0.012536	0.015684	0.000507	0.000213	0.022842	0.000934	0.002862
Industrial Park	0.556303	0.059490	0.178460	0.122507	0.021438	0.006223	0.012536	0.015684	0.000507	0.000213	0.022842	0.000934	0.002862
Single Family Housing	0.556303	0.059490	0.178460	0.122507	0.021438	0.006223	0.012536	0.015684	0.000507	0.000213	0.022842	0.000934	0.002862
Strip Mall	0.556303	0.059490	0.178460	0.122507	0.021438	0.006223	0.012536	0.015684	0.000507	0.000213	0.022842	0.000934	0.002862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Montclair - Buildout - San Bernardino-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	17.6209	154.3896	92.0240	0.9611		12.1744	12.1744		12.1744	12.1744		192,227.8607	192,227.8607	3.6844	3.5242	193,370.1748
NaturalGas Unmitigated	17.6209	154.3896	92.0240	0.9611		12.1744	12.1744		12.1744	12.1744		192,227.8607	192,227.8607	3.6844	3.5242	193,370.1748

Montclair - Buildout - San Bernardino-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	485487	5.2356	44.7410	19.0387	0.2856		3.6174	3.6174		3.6174	3.6174		57,116.1053	57,116.1053	1.0947	1.0471	57,455.5177
General Office Building	8927.4	0.0963	0.8752	0.7352	5.2500e-003		0.0665	0.0665		0.0665	0.0665		1,050.2820	1,050.2820	0.0201	0.0193	1,056.5233
Hotel	95324.3	1.0280	9.3455	7.8502	0.0561		0.7103	0.7103		0.7103	0.7103		11,214.6256	11,214.6256	0.2150	0.2056	11,281.2685
Industrial Park	515910	5.5637	50.5794	42.4867	0.3035		3.8440	3.8440		3.8440	3.8440		60,695.2458	60,695.2458	1.1633	1.1128	61,055.9273
Single Family Housing	500563	5.3982	46.1303	19.6299	0.2945		3.7297	3.7297		3.7297	3.7297		58,889.7165	58,889.7165	1.1287	1.0796	59,239.6687
Strip Mall	27726	0.2990	2.7182	2.2833	0.0163		0.2066	0.2066		0.2066	0.2066		3,261.8856	3,261.8856	0.0625	0.0598	3,281.2693
Total		17.6209	154.3896	92.0240	0.9611		12.1744	12.1744		12.1744	12.1744		192,227.8607	192,227.8607	3.6844	3.5242	193,370.1748

Montclair - Buildout - San Bernardino-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	485.487	5.2356	44.7410	19.0387	0.2856		3.6174	3.6174		3.6174	3.6174		57,116.1053	57,116.1053	1.0947	1.0471	57,455.5177
General Office Building	8.9274	0.0963	0.8752	0.7352	5.2500e-003		0.0665	0.0665		0.0665	0.0665		1,050.2820	1,050.2820	0.0201	0.0193	1,056.5233
Hotel	95.3243	1.0280	9.3455	7.8502	0.0561		0.7103	0.7103		0.7103	0.7103		11,214.6256	11,214.6256	0.2150	0.2056	11,281.2685
Industrial Park	515.91	5.5637	50.5794	42.4867	0.3035		3.8440	3.8440		3.8440	3.8440		60,695.2458	60,695.2458	1.1633	1.1128	61,055.9273
Single Family Housing	500.563	5.3982	46.1303	19.6299	0.2945		3.7297	3.7297		3.7297	3.7297		58,889.7165	58,889.7165	1.1287	1.0796	59,239.6687
Strip Mall	27.726	0.2990	2.7182	2.2833	0.0163		0.2066	0.2066		0.2066	0.2066		3,261.8856	3,261.8856	0.0625	0.0598	3,281.2693
Total		17.6209	154.3896	92.0240	0.9611		12.1744	12.1744		12.1744	12.1744		192,227.8607	192,227.8607	3.6844	3.5242	193,370.1748

6.0 Area Detail

6.1 Mitigation Measures Area

Montclair - Buildout - San Bernardino-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5,077.9647	393.0530	9,150.2677	21.3924		1,176.3379	1,176.3379		1,176.3379	1,176.3379	149,643.9052	348,024.2830	497,668.1881	527.4272	9.7536	513,760.4300
Unmitigated	5,077.9647	393.0530	9,150.2677	21.3924		1,176.3379	1,176.3379		1,176.3379	1,176.3379	149,643.9052	348,024.2830	497,668.1881	527.4272	9.7536	513,760.4300

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	196.0656					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,682.6507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3,152.5466	375.1923	7,601.5269	21.3101		1,167.7239	1,167.7239		1,167.7239	1,167.7239	149,643.9052	345,221.1529	494,865.0581	524.7374	9.7536	510,890.0561
Landscaping	46.7018	17.8607	1,548.7409	0.0823		8.6140	8.6140		8.6140	8.6140		2,803.1300	2,803.1300	2.6898		2,870.3739
Total	5,077.9647	393.0530	9,150.2677	21.3924		1,176.3379	1,176.3379		1,176.3379	1,176.3379	149,643.9052	348,024.2830	497,668.1881	527.4272	9.7536	513,760.4300

Montclair - Buildout - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	196.0656					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,682.6507					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	3,152.5466	375.1923	7,601.5269	21.3101		1,167.7239	1,167.7239		1,167.7239	1,167.7239	149,643.9052	345,221.1529	494,865.0581	524.7374	9.7536	510,890.0561
Landscaping	46.7018	17.8607	1,548.7409	0.0823		8.6140	8.6140		8.6140	8.6140		2,803.1300	2,803.1300	2.6898		2,870.3739
Total	5,077.9647	393.0530	9,150.2677	21.3924		1,176.3379	1,176.3379		1,176.3379	1,176.3379	149,643.9052	348,024.2830	497,668.1881	527.4272	9.7536	513,760.4300

7.0 Water Detail**7.1 Mitigation Measures Water**

Montclair - Buildout - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

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

Montclair Existing Conditions
San Bernardino-South Coast County, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	350.00	1000sqft	8.03	350,000.00	0
Industrial Park	53,000.00	1000sqft	1,216.71	53,000,000.00	0
Hotel	103.00	Room	3.43	149,556.00	0
Apartments Mid Rise	4,741.00	Dwelling Unit	124.76	4,741,000.00	13559
Single Family Housing	6,459.00	Dwelling Unit	2,675.47	11,626,200.00	24341
Strip Mall	4,600.00	1000sqft	105.60	4,600,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions. Acreages and population adjusted to equal actual GP values

Construction Phase - No Construction

Off-road Equipment - No Construction

Trips and VMT - No Construction

Architectural Coating - No Construction

Vehicle Trips - Trip length adjusted to be consistent with Project specific VMT.

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

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

Woodstoves - Defaults used

Energy Use - Uses 2008 Title 24 Energy Intensity. Conservative for existing conditions.

Water And Wastewater - Based on Project specific data. Apartment water accounted for under SFR. Assumes no septic in City

Solid Waste - Apartment and SFR updated to project specific values

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	29,049,778.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	87,149,334.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	11,047,860.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	33,143,580.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblConstructionPhase	NumDays	11,000.00	1.00
tblEnergyUse	LightingElect	3.66	4.45
tblEnergyUse	LightingElect	5.44	6.57
tblEnergyUse	LightingElect	3.66	4.45
tblEnergyUse	LightingElect	5.61	8.20
tblEnergyUse	NT24E	3,054.10	2,553.86
tblEnergyUse	NT24E	6,155.97	5,089.81
tblEnergyUse	NT24NG	6,030.00	1,779.14
tblEnergyUse	NT24NG	6,030.00	5,950.14
tblEnergyUse	T24E	164.47	696.81
tblEnergyUse	T24E	2.74	4.03
tblEnergyUse	T24E	5.78	8.54
tblEnergyUse	T24E	2.74	4.03
tblEnergyUse	T24E	199.85	1,269.07
tblEnergyUse	T24E	4.09	5.95
tblEnergyUse	T24NG	8,352.17	10,983.45

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

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

tblEnergyUse	T24NG	3.43	4.20
tblEnergyUse	T24NG	54.60	63.16
tblEnergyUse	T24NG	3.43	4.20
tblEnergyUse	T24NG	22,256.94	30,907.53
tblEnergyUse	T24NG	1.90	2.29
tblLandUse	LotAcreage	2,097.08	2,675.47
tblLandUse	Population	18,473.00	24,341.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblSolidWaste	SolidWasteGenerationRate	2,180.86	3,460.93
tblSolidWaste	SolidWasteGenerationRate	9,979.81	14,416.33
tblTripsAndVMT	WorkerTripNumber	5,929.00	0.00
tblVehicleTrips	CC_TL	8.40	4.83
tblVehicleTrips	CC_TL	8.40	4.83
tblVehicleTrips	CC_TL	8.40	4.83
tblVehicleTrips	CC_TL	8.40	4.83
tblVehicleTrips	CNW_TL	6.90	3.97
tblVehicleTrips	CNW_TL	6.90	3.97
tblVehicleTrips	CNW_TL	6.90	3.97
tblVehicleTrips	CNW_TL	6.90	3.97
tblVehicleTrips	CW_TL	16.60	9.55
tblVehicleTrips	CW_TL	16.60	9.55
tblVehicleTrips	CW_TL	16.60	9.55
tblVehicleTrips	CW_TL	16.60	9.55
tblVehicleTrips	HO_TL	8.70	5.00
tblVehicleTrips	HO_TL	8.70	5.00
tblVehicleTrips	HS_TL	5.90	3.39
tblVehicleTrips	HS_TL	5.90	3.39
tblVehicleTrips	HW_TL	14.70	8.45
tblVehicleTrips	HW_TL	14.70	8.45

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

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

tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	308,895,235.47	0.00
tblWater	IndoorWaterUseRate	62,206,811.80	2,346,189.16
tblWater	IndoorWaterUseRate	2,612,777.31	7,180,645.00
tblWater	IndoorWaterUseRate	12,256,250,000.00	43,236,914.60
tblWater	IndoorWaterUseRate	420,829,851.49	1,103,760,000.00
tblWater	IndoorWaterUseRate	340,733,598.83	107,924,660.00
tblWater	OutdoorWaterUseRate	194,738,300.62	0.00
tblWater	OutdoorWaterUseRate	38,126,755.62	6,944,719.93
tblWater	OutdoorWaterUseRate	290,308.59	3,646,715.00
tblWater	OutdoorWaterUseRate	0.00	70,908,539.94
tblWater	OutdoorWaterUseRate	265,305,775.94	1,250,928,000.00
tblWater	OutdoorWaterUseRate	208,836,721.86	33,580.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

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

2.0 Emissions Summary

Unmitigated Construction

Mitigated Construction

[illegible]

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

[illegible]

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4,613.473 4	243.1251	6,627.752 9	14.5797		860.6750	860.6750		860.6750	860.6750	104,909.4 861	203,276.4 911	308,185.9 772	314.5064	7.1205	318,170.5 502
Energy	16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199		175,577.0 923	175,577.0 923	3.3652	3.2189	176,620.4 592
Mobile	1,236.977 3	1,714.535 9	9,624.876 2	17.8530	1,713.791 2	21.5313	1,735.322 6	457.2067	20.2607	477.4674		1,824,590. 7982	1,824,590. 7982	145.0424	111.7119	1,861,507. 0170
Total	5,866.545 3	2,099.163 5	16,340.24 66	33.3106	1,713.791 2	893.3262	2,607.117 4	457.2067	892.0556	1,349.2622	104,909.4 861	2,203,444. 3815	2,308,353. 8676	462.9140	122.0514	2,356,298. 0264

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	4,613.473 4	243.1251	6,627.752 9	14.5797		860.6750	860.6750		860.6750	860.6750	104,909.4 861	203,276.4 911	308,185.9 772	314.5064	7.1205	318,170.5 502
Energy	16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199		175,577.0 923	175,577.0 923	3.3652	3.2189	176,620.4 592
Mobile	1,236.977 3	1,714.535 9	9,624.876 2	17.8530	1,713.791 2	21.5313	1,735.322 6	457.2067	20.2607	477.4674		1,824,590. 7982	1,824,590. 7982	145.0424	111.7119	1,861,507. 0170
Total	5,866.545 3	2,099.163 5	16,340.24 66	33.3106	1,713.791 2	893.3262	2,607.117 4	457.2067	892.0556	1,349.2622	104,909.4 861	2,203,444. 3815	2,308,353. 8676	462.9140	122.0514	2,356,298. 0264

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	12/11/2010	12/13/2010	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Architectural Coating - 2010****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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Architectural Coating - 2010****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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,236.977 3	1,714.535 9	9,624.876 2	17.8530	1,713.791 2	21.5313	1,735.322 6	457.2067	20.2607	477.4674		1,824,590. 7982	1,824,590. 7982	145.0424	111.7119	1,861,507. 0170
Unmitigated	1,236.977 3	1,714.535 9	9,624.876 2	17.8530	1,713.791 2	21.5313	1,735.322 6	457.2067	20.2607	477.4674		1,824,590. 7982	1,824,590. 7982	145.0424	111.7119	1,861,507. 0170

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	25,791.04	23,278.31	19390.69	48,165,567	48,165,567
General Office Building	3,409.00	773.50	245.00	4,781,925	4,781,925
Hotel	861.08	843.57	612.85	1,129,962	1,129,962
Industrial Park	178,610.00	134,620.00	65720.00	357,244,602	357,244,602
Single Family Housing	60,972.96	61,618.86	55224.45	118,350,503	118,350,503
Strip Mall	203,872.00	193,384.00	93978.00	204,671,467	204,671,467
Total	473,516.08	414,518.24	235,170.99	734,344,027	734,344,027

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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	8.45	3.39	5.00	40.20	19.20	40.60	86	11	3

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

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

	Miles			Trip %			Trip Purpose %		
Land Use	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
General Office Building	9.55	4.83	3.97	33.00	48.00	19.00	77	19	4
Hotel	9.55	4.83	3.97	19.40	61.60	19.00	58	38	4
Industrial Park	9.55	4.83	3.97	59.00	28.00	13.00	79	19	2
Single Family Housing	8.45	3.39	5.00	40.20	19.20	40.60	86	11	3
Strip Mall	9.55	4.83	3.97	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.530515	0.055377	0.171759	0.144367	0.028476	0.007361	0.011734	0.017293	0.000580	0.000260	0.025722	0.000955	0.005601
General Office Building	0.530515	0.055377	0.171759	0.144367	0.028476	0.007361	0.011734	0.017293	0.000580	0.000260	0.025722	0.000955	0.005601
Hotel	0.530515	0.055377	0.171759	0.144367	0.028476	0.007361	0.011734	0.017293	0.000580	0.000260	0.025722	0.000955	0.005601
Industrial Park	0.530515	0.055377	0.171759	0.144367	0.028476	0.007361	0.011734	0.017293	0.000580	0.000260	0.025722	0.000955	0.005601
Single Family Housing	0.530515	0.055377	0.171759	0.144367	0.028476	0.007361	0.011734	0.017293	0.000580	0.000260	0.025722	0.000955	0.005601
Strip Mall	0.530515	0.055377	0.171759	0.144367	0.028476	0.007361	0.011734	0.017293	0.000580	0.000260	0.025722	0.000955	0.005601

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199		175,577.0923	175,577.0923	3.3652	3.2189	176,620.4592
NaturalGas Unmitigated	16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199		175,577.0923	175,577.0923	3.3652	3.2189	176,620.4592

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	165774	1.7878	15.2772	6.5009	0.0975		1.2352	1.2352		1.2352	1.2352		19,502.8007	19,502.8007	0.3738	0.3576	19,618.6961
General Office Building	4027.4	0.0434	0.3948	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300		473.8114	473.8114	9.0800e-003	8.6900e-003	476.6271
Hotel	27870.7	0.3006	2.7324	2.2952	0.0164		0.2077	0.2077		0.2077	0.2077		3,278.9038	3,278.9038	0.0629	0.0601	3,298.3887
Industrial Park	609863	6.5770	59.7905	50.2240	0.3587		4.5441	4.5441		4.5441	4.5441		71,748.5899	71,748.5899	1.3752	1.3154	72,174.9558
Single Family Housing	652229	7.0339	60.1074	25.5776	0.3837		4.8598	4.8598		4.8598	4.8598		76,732.8575	76,732.8575	1.4707	1.4068	77,188.8426
Strip Mall	32641.1	0.3520	3.2001	2.6881	0.0192		0.2432	0.2432		0.2432	0.2432		3,840.1289	3,840.1289	0.0736	0.0704	3,862.9489
Total		16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199		175,577.0923	175,577.0923	3.3652	3.2189	176,620.4592

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	165.774	1.7878	15.2772	6.5009	0.0975		1.2352	1.2352		1.2352	1.2352		19,502.8007	19,502.8007	0.3738	0.3576	19,618.6961
General Office Building	4.0274	0.0434	0.3948	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300		473.8114	473.8114	9.0800e-003	8.6900e-003	476.6271
Hotel	27.8707	0.3006	2.7324	2.2952	0.0164		0.2077	0.2077		0.2077	0.2077		3,278.9038	3,278.9038	0.0629	0.0601	3,298.3887
Industrial Park	609.863	6.5770	59.7905	50.2240	0.3587		4.5441	4.5441		4.5441	4.5441		71,748.5899	71,748.5899	1.3752	1.3154	72,174.9558
Single Family Housing	652.229	7.0339	60.1074	25.5776	0.3837		4.8598	4.8598		4.8598	4.8598		76,732.8575	76,732.8575	1.4707	1.4068	77,188.8426
Strip Mall	32.6411	0.3520	3.2001	2.6881	0.0192		0.2432	0.2432		0.2432	0.2432		3,840.1289	3,840.1289	0.0736	0.0704	3,862.9489
Total		16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199		175,577.0923	175,577.0923	3.3652	3.2189	176,620.4592

6.0 Area Detail

6.1 Mitigation Measures Area

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4,613.473 4	243.1251	6,627.752 9	14.5797		860.6750	860.6750		860.6750	860.6750	104,909.4 861	203,276.4 911	308,185.9 772	314.5064	7.1205	318,170.5 502
Unmitigated	4,613.473 4	243.1251	6,627.752 9	14.5797		860.6750	860.6750		860.6750	860.6750	104,909.4 861	203,276.4 911	308,185.9 772	314.5064	7.1205	318,170.5 502

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	175.6155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,474.441 8					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2,934.803 2	232.3812	5,695.780 6	14.5304		855.5492	855.5492		855.5492	855.5492	104,909.4 861	201,600.0 000	306,509.4 861	312.8604	7.1205	316,452.9 075
Landscaping	28.6129	10.7440	931.9723	0.0492		5.1258	5.1258		5.1258	5.1258		1,676.491 1	1,676.491 1	1.6461		1,717.642 8
Total	4,613.473 4	243.1251	6,627.752 9	14.5797		860.6750	860.6750		860.6750	860.6750	104,909.4 861	203,276.4 911	308,185.9 772	314.5064	7.1205	318,170.5 502

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	175.6155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,474.4418					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2,934.8032	232.3812	5,695.7806	14.5304		855.5492	855.5492		855.5492	855.5492	104,909.4861	201,600.0000	306,509.4861	312.8604	7.1205	316,452.9075
Landscaping	28.6129	10.7440	931.9723	0.0492		5.1258	5.1258		5.1258	5.1258		1,676.4911	1,676.4911	1.6461		1,717.6428
Total	4,613.4734	243.1251	6,627.7529	14.5797		860.6750	860.6750		860.6750	860.6750	104,909.4861	203,276.4911	308,185.9772	314.5064	7.1205	318,170.5502

7.0 Water Detail**7.1 Mitigation Measures Water**

Montclair Existing Conditions - San Bernardino-South Coast County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

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

Montclair Existing Conditions
San Bernardino-South Coast County, Summer

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	350.00	1000sqft	8.03	350,000.00	0
Industrial Park	53,000.00	1000sqft	1,216.71	53,000,000.00	0
Hotel	103.00	Room	3.43	149,556.00	0
Apartments Mid Rise	4,741.00	Dwelling Unit	124.76	4,741,000.00	13559
Single Family Housing	6,459.00	Dwelling Unit	2,675.47	11,626,200.00	24341
Strip Mall	4,600.00	1000sqft	105.60	4,600,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - See Assumptions

Land Use - See Assumptions. Acreages and population adjusted to equal actual GP values

Construction Phase - No Construction

Off-road Equipment - No Construction

Trips and VMT - No Construction

Architectural Coating - No Construction

Vehicle Trips - Trip length adjusted to be consistent with Project specific VMT.

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

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

Woodstoves - Defaults used

Energy Use - Uses 2008 Title 24 Energy Intensity. Conservative for existing conditions.

Water And Wastewater - Based on Project specific data. Apartment water accounted for under SFR. Assumes no septic in City

Solid Waste - Apartment and SFR updated to project specific values

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	29,049,778.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	87,149,334.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	11,047,860.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	33,143,580.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	100.00	50.00
tblConstructionPhase	NumDays	11,000.00	1.00
tblEnergyUse	LightingElect	3.66	4.45
tblEnergyUse	LightingElect	5.44	6.57
tblEnergyUse	LightingElect	3.66	4.45
tblEnergyUse	LightingElect	5.61	8.20
tblEnergyUse	NT24E	3,054.10	2,553.86
tblEnergyUse	NT24E	6,155.97	5,089.81
tblEnergyUse	NT24NG	6,030.00	1,779.14
tblEnergyUse	NT24NG	6,030.00	5,950.14
tblEnergyUse	T24E	164.47	696.81
tblEnergyUse	T24E	2.74	4.03
tblEnergyUse	T24E	5.78	8.54
tblEnergyUse	T24E	2.74	4.03
tblEnergyUse	T24E	199.85	1,269.07
tblEnergyUse	T24E	4.09	5.95
tblEnergyUse	T24NG	8,352.17	10,983.45

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

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

tblEnergyUse	T24NG	3.43	4.20
tblEnergyUse	T24NG	54.60	63.16
tblEnergyUse	T24NG	3.43	4.20
tblEnergyUse	T24NG	22,256.94	30,907.53
tblEnergyUse	T24NG	1.90	2.29
tblLandUse	LotAcreage	2,097.08	2,675.47
tblLandUse	Population	18,473.00	24,341.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblSolidWaste	SolidWasteGenerationRate	2,180.86	3,460.93
tblSolidWaste	SolidWasteGenerationRate	9,979.81	14,416.33
tblTripsAndVMT	WorkerTripNumber	5,929.00	0.00
tblVehicleTrips	CC_TL	8.40	4.83
tblVehicleTrips	CC_TL	8.40	4.83
tblVehicleTrips	CC_TL	8.40	4.83
tblVehicleTrips	CC_TL	8.40	4.83
tblVehicleTrips	CNW_TL	6.90	3.97
tblVehicleTrips	CNW_TL	6.90	3.97
tblVehicleTrips	CNW_TL	6.90	3.97
tblVehicleTrips	CNW_TL	6.90	3.97
tblVehicleTrips	CW_TL	16.60	9.55
tblVehicleTrips	CW_TL	16.60	9.55
tblVehicleTrips	CW_TL	16.60	9.55
tblVehicleTrips	CW_TL	16.60	9.55
tblVehicleTrips	HO_TL	8.70	5.00
tblVehicleTrips	HO_TL	8.70	5.00
tblVehicleTrips	HS_TL	5.90	3.39
tblVehicleTrips	HS_TL	5.90	3.39
tblVehicleTrips	HW_TL	14.70	8.45
tblVehicleTrips	HW_TL	14.70	8.45

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

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

tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	308,895,235.47	0.00
tblWater	IndoorWaterUseRate	62,206,811.80	2,346,189.16
tblWater	IndoorWaterUseRate	2,612,777.31	7,180,645.00
tblWater	IndoorWaterUseRate	12,256,250,000.00	43,236,914.60
tblWater	IndoorWaterUseRate	420,829,851.49	1,103,760,000.00
tblWater	IndoorWaterUseRate	340,733,598.83	107,924,660.00
tblWater	OutdoorWaterUseRate	194,738,300.62	0.00
tblWater	OutdoorWaterUseRate	38,126,755.62	6,944,719.93
tblWater	OutdoorWaterUseRate	290,308.59	3,646,715.00
tblWater	OutdoorWaterUseRate	0.00	70,908,539.94
tblWater	OutdoorWaterUseRate	265,305,775.94	1,250,928,000.00
tblWater	OutdoorWaterUseRate	208,836,721.86	33,580.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

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

2.0 Emissions Summary

Unmitigated Construction

Mitigated Construction

[illegible]

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

[illegible]

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4,613.473 4	243.1251	6,627.752 9	14.5797		860.6750	860.6750		860.6750	860.6750	104,909.4 861	203,276.4 911	308,185.9 772	314.5064	7.1205	318,170.5 502
Energy	16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199		175,577.0 923	175,577.0 923	3.3652	3.2189	176,620.4 592
Mobile	1,458.807 6	1,621.588 0	10,487.48 65	19.2222	1,713.791 2	21.4958	1,735.287 0	457.2067	20.2267	477.4334		1,963,247. 9204	1,963,247. 9204	137.6059	108.7486	1,999,095. 1582
Total	6,088.375 6	2,006.215 6	17,202.85 69	34.6798	1,713.791 2	893.2906	2,607.081 9	457.2067	892.0216	1,349.2282	104,909.4 861	2,342,101. 5038	2,447,010. 9899	455.4776	119.0880	2,493,886. 1676

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	4,613.473 4	243.1251	6,627.752 9	14.5797		860.6750	860.6750		860.6750	860.6750	104,909.4 861	203,276.4 911	308,185.9 772	314.5064	7.1205	318,170.5 502
Energy	16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199		175,577.0 923	175,577.0 923	3.3652	3.2189	176,620.4 592
Mobile	1,458.807 6	1,621.588 0	10,487.48 65	19.2222	1,713.791 2	21.4958	1,735.287 0	457.2067	20.2267	477.4334		1,963,247. 9204	1,963,247. 9204	137.6059	108.7486	1,999,095. 1582
Total	6,088.375 6	2,006.215 6	17,202.85 69	34.6798	1,713.791 2	893.2906	2,607.081 9	457.2067	892.0216	1,349.2282	104,909.4 861	2,342,101. 5038	2,447,010. 9899	455.4776	119.0880	2,493,886. 1676

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

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

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	12/11/2010	12/13/2010	5	1	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Architectural Coating - 2010****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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.2 Architectural Coating - 2010****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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1,458.8076	1,621.5880	10,487.4865	19.2222	1,713.7912	21.4958	1,735.2870	457.2067	20.2267	477.4334		1,963,247.9204	1,963,247.9204	137.6059	108.7486	1,999,095.1582
Unmitigated	1,458.8076	1,621.5880	10,487.4865	19.2222	1,713.7912	21.4958	1,735.2870	457.2067	20.2267	477.4334		1,963,247.9204	1,963,247.9204	137.6059	108.7486	1,999,095.1582

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	25,791.04	23,278.31	19390.69	48,165,567	48,165,567
General Office Building	3,409.00	773.50	245.00	4,781,925	4,781,925
Hotel	861.08	843.57	612.85	1,129,962	1,129,962
Industrial Park	178,610.00	134,620.00	65720.00	357,244,602	357,244,602
Single Family Housing	60,972.96	61,618.86	55224.45	118,350,503	118,350,503
Strip Mall	203,872.00	193,384.00	93978.00	204,671,467	204,671,467
Total	473,516.08	414,518.24	235,170.99	734,344,027	734,344,027

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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	8.45	3.39	5.00	40.20	19.20	40.60	86	11	3

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

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

	Miles			Trip %			Trip Purpose %		
Land Use	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
General Office Building	9.55	4.83	3.97	33.00	48.00	19.00	77	19	4
Hotel	9.55	4.83	3.97	19.40	61.60	19.00	58	38	4
Industrial Park	9.55	4.83	3.97	59.00	28.00	13.00	79	19	2
Single Family Housing	8.45	3.39	5.00	40.20	19.20	40.60	86	11	3
Strip Mall	9.55	4.83	3.97	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.530515	0.055377	0.171759	0.144367	0.028476	0.007361	0.011734	0.017293	0.000580	0.000260	0.025722	0.000955	0.005601
General Office Building	0.530515	0.055377	0.171759	0.144367	0.028476	0.007361	0.011734	0.017293	0.000580	0.000260	0.025722	0.000955	0.005601
Hotel	0.530515	0.055377	0.171759	0.144367	0.028476	0.007361	0.011734	0.017293	0.000580	0.000260	0.025722	0.000955	0.005601
Industrial Park	0.530515	0.055377	0.171759	0.144367	0.028476	0.007361	0.011734	0.017293	0.000580	0.000260	0.025722	0.000955	0.005601
Single Family Housing	0.530515	0.055377	0.171759	0.144367	0.028476	0.007361	0.011734	0.017293	0.000580	0.000260	0.025722	0.000955	0.005601
Strip Mall	0.530515	0.055377	0.171759	0.144367	0.028476	0.007361	0.011734	0.017293	0.000580	0.000260	0.025722	0.000955	0.005601

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199		175,577.0923	175,577.0923	3.3652	3.2189	176,620.4592
NaturalGas Unmitigated	16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199		175,577.0923	175,577.0923	3.3652	3.2189	176,620.4592

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	165774	1.7878	15.2772	6.5009	0.0975		1.2352	1.2352		1.2352	1.2352		19,502.8007	19,502.8007	0.3738	0.3576	19,618.6961
General Office Building	4027.4	0.0434	0.3948	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300		473.8114	473.8114	9.0800e-003	8.6900e-003	476.6271
Hotel	27870.7	0.3006	2.7324	2.2952	0.0164		0.2077	0.2077		0.2077	0.2077		3,278.9038	3,278.9038	0.0629	0.0601	3,298.3887
Industrial Park	609863	6.5770	59.7905	50.2240	0.3587		4.5441	4.5441		4.5441	4.5441		71,748.5899	71,748.5899	1.3752	1.3154	72,174.9558
Single Family Housing	652229	7.0339	60.1074	25.5776	0.3837		4.8598	4.8598		4.8598	4.8598		76,732.8575	76,732.8575	1.4707	1.4068	77,188.8426
Strip Mall	32641.1	0.3520	3.2001	2.6881	0.0192		0.2432	0.2432		0.2432	0.2432		3,840.1289	3,840.1289	0.0736	0.0704	3,862.9489
Total		16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199		175,577.0923	175,577.0923	3.3652	3.2189	176,620.4592

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	165.774	1.7878	15.2772	6.5009	0.0975		1.2352	1.2352		1.2352	1.2352		19,502.8007	19,502.8007	0.3738	0.3576	19,618.6961
General Office Building	4.0274	0.0434	0.3948	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300		473.8114	473.8114	9.0800e-003	8.6900e-003	476.6271
Hotel	27.8707	0.3006	2.7324	2.2952	0.0164		0.2077	0.2077		0.2077	0.2077		3,278.9038	3,278.9038	0.0629	0.0601	3,298.3887
Industrial Park	609.863	6.5770	59.7905	50.2240	0.3587		4.5441	4.5441		4.5441	4.5441		71,748.5899	71,748.5899	1.3752	1.3154	72,174.9558
Single Family Housing	652.229	7.0339	60.1074	25.5776	0.3837		4.8598	4.8598		4.8598	4.8598		76,732.8575	76,732.8575	1.4707	1.4068	77,188.8426
Strip Mall	32.6411	0.3520	3.2001	2.6881	0.0192		0.2432	0.2432		0.2432	0.2432		3,840.1289	3,840.1289	0.0736	0.0704	3,862.9489
Total		16.0946	141.5025	87.6176	0.8779		11.1199	11.1199		11.1199	11.1199		175,577.0923	175,577.0923	3.3652	3.2189	176,620.4592

6.0 Area Detail

6.1 Mitigation Measures Area

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4,613.473 4	243.1251	6,627.752 9	14.5797		860.6750	860.6750		860.6750	860.6750	104,909.4 861	203,276.4 911	308,185.9 772	314.5064	7.1205	318,170.5 502
Unmitigated	4,613.473 4	243.1251	6,627.752 9	14.5797		860.6750	860.6750		860.6750	860.6750	104,909.4 861	203,276.4 911	308,185.9 772	314.5064	7.1205	318,170.5 502

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	175.6155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,474.441 8					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2,934.803 2	232.3812	5,695.780 6	14.5304		855.5492	855.5492		855.5492	855.5492	104,909.4 861	201,600.0 000	306,509.4 861	312.8604	7.1205	316,452.9 075
Landscaping	28.6129	10.7440	931.9723	0.0492		5.1258	5.1258		5.1258	5.1258		1,676.491 1	1,676.491 1	1.6461		1,717.642 8
Total	4,613.473 4	243.1251	6,627.752 9	14.5797		860.6750	860.6750		860.6750	860.6750	104,909.4 861	203,276.4 911	308,185.9 772	314.5064	7.1205	318,170.5 502

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	175.6155					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,474.4418					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2,934.8032	232.3812	5,695.7806	14.5304		855.5492	855.5492		855.5492	855.5492	104,909.4861	201,600.0000	306,509.4861	312.8604	7.1205	316,452.9075
Landscaping	28.6129	10.7440	931.9723	0.0492		5.1258	5.1258		5.1258	5.1258		1,676.4911	1,676.4911	1.6461		1,717.6428
Total	4,613.4734	243.1251	6,627.7529	14.5797		860.6750	860.6750		860.6750	860.6750	104,909.4861	203,276.4911	308,185.9772	314.5064	7.1205	318,170.5502

7.0 Water Detail**7.1 Mitigation Measures Water**

Montclair Existing Conditions - San Bernardino-South Coast County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Greenhouse Gas CalEEMod Output

Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Montclair - Hotel Growth
San Bernardino-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	50.00	Room	1.67	72,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Modeling of one year of hotel growth.

Land Use - See Assumptions

Construction Phase - Phases length adjusted to fit an annual construction schedule.

Off-road Equipment - Default equipment used for all phases.

Trips and VMT - Defaults used

Demolition - Assumes replacement of same size building.

Grading - CalEEMod Default

Vehicle Trips - See Assumptions

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Solid Waste - See Assumptions

Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

Construction Off-road Equipment Mitigation - Mitigation for equipment added but may not be used depending on unmitigated results. Fugitive Dust supports Rule 403

[illegible]

Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	4.00	5.00
tblConstructionPhase	NumDays	200.00	232.00
tblConstructionPhase	NumDays	10.00	12.00
tblConstructionPhase	NumDays	10.00	12.00
tblGrading	AcresOfGrading	5.00	4.00
tblSolidWaste	SolidWasteGenerationRate	27.38	164.25
tblVehicleTrips	CC_TL	8.40	15.23
tblVehicleTrips	CNW_TL	6.90	12.51
tblVehicleTrips	CW_TL	16.60	30.10
tblWater	AerobicPercent	87.46	97.58
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.42
tblWater	IndoorWaterUseRate	1,268,338.50	20,914,500.00
tblWater	OutdoorWaterUseRate	140,926.50	10,621,500.00
tblWater	SepticTankPercent	10.33	0.00

2.0 Emissions Summary**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					
2022	0.5736	1.8321	1.8860	3.7000e-003	0.1059	0.0836	0.1894	0.0282	0.0802	0.1084	0.0000	315.9993	315.9993	0.0487	6.2200e-003	319.0691

Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

Maximum	0.5736	1.8321	1.8860	3.7000e-003	0.1059	0.0836	0.1894	0.0282	0.0802	0.1084	0.0000	315.9993	315.9993	0.0487	6.2200e-003	319.0691
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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					
2022	0.3698	0.1688	0.9600	2.0500e-003	0.0725	3.3300e-003	0.0759	0.0194	3.2700e-003	0.0227	0.0000	184.9344	184.9344	0.0378	6.2200e-003	187.7303
Maximum	0.3698	0.1688	0.9600	2.0500e-003	0.0725	3.3300e-003	0.0759	0.0194	3.2700e-003	0.0227	0.0000	184.9344	184.9344	0.0378	6.2200e-003	187.7303

	ROG	NOx	CO	SO2	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	35.53	90.78	49.10	44.59	31.47	96.01	59.94	31.06	95.92	79.05	0.00	41.48	41.48	22.48	0.00	41.16

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.9278	0.3971
2	4-1-2022	6-30-2022	0.4844	0.0411
3	7-1-2022	9-30-2022	0.4898	0.0416
		Highest	0.9278	0.3971

2.2 Overall Operational

Operational Emissions not quantified

3.0 Construction Detail

Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	2/2/2022	5	23	
2	Grading	Grading	2/3/2022	2/9/2022	5	5	
3	Building Construction	Building Construction	2/10/2022	12/30/2022	5	232	
4	Paving	Paving	2/10/2022	2/25/2022	5	12	
5	Architectural Coating	Architectural Coating	2/10/2022	2/25/2022	5	12	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 4****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 108,900; Non-Residential Outdoor: 36,300; Striped Parking Area: 0 (Architectural****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	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56

Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	330.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	30.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022**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
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Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

Category	tons/yr										MT/yr					
Fugitive Dust					0.0357	0.0000	0.0357	5.4100e-003	0.0000	5.4100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.1912	0.1606	2.8000e-004		9.6400e-003	9.6400e-003		9.0000e-003	9.0000e-003	0.0000	24.2393	24.2393	6.1800e-003	0.0000	24.3938
Total	0.0194	0.1912	0.1606	2.8000e-004	0.0357	9.6400e-003	0.0454	5.4100e-003	9.0000e-003	0.0144	0.0000	24.2393	24.2393	6.1800e-003	0.0000	24.3938

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	6.1000e-004	0.0238	5.9200e-003	1.0000e-004	2.8400e-003	2.4000e-004	3.0800e-003	7.8000e-004	2.3000e-004	1.0100e-003	0.0000	9.5898	9.5898	4.1000e-004	1.5200e-003	10.0530
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	4.4000e-004	5.3000e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.3149	1.3149	4.0000e-005	4.0000e-005	1.3271
Total	1.1700e-003	0.0242	0.0112	1.1000e-004	4.4800e-003	2.5000e-004	4.7300e-003	1.2200e-003	2.4000e-004	1.4500e-003	0.0000	10.9047	10.9047	4.5000e-004	1.5600e-003	11.3801

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
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Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

Category	tons/yr										MT/yr					
Fugitive Dust					0.0132	0.0000	0.0132	2.0000e-003	0.0000	2.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2300e-003	0.0140	0.1693	2.8000e-004		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	24.2393	24.2393	6.1800e-003	0.0000	24.3937
Total	3.2300e-003	0.0140	0.1693	2.8000e-004	0.0132	4.3000e-004	0.0137	2.0000e-003	4.3000e-004	2.4300e-003	0.0000	24.2393	24.2393	6.1800e-003	0.0000	24.3937

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	6.1000e-004	0.0238	5.9200e-003	1.0000e-004	2.8400e-003	2.4000e-004	3.0800e-003	7.8000e-004	2.3000e-004	1.0100e-003	0.0000	9.5898	9.5898	4.1000e-004	1.5200e-003	10.0530
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	4.4000e-004	5.3000e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.3149	1.3149	4.0000e-005	4.0000e-005	1.3271
Total	1.1700e-003	0.0242	0.0112	1.1000e-004	4.4800e-003	2.5000e-004	4.7300e-003	1.2200e-003	2.4000e-004	1.4500e-003	0.0000	10.9047	10.9047	4.5000e-004	1.5600e-003	11.3801

3.3 Grading - 2022**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
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Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

Category	tons/yr										MT/yr					
Fugitive Dust					0.0172	0.0000	0.0172	8.5000e-003	0.0000	8.5000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8500e-003	0.0425	0.0231	5.0000e-005		1.8600e-003	1.8600e-003		1.7100e-003	1.7100e-003	0.0000	4.5257	4.5257	1.4600e-003	0.0000	4.5623
Total	3.8500e-003	0.0425	0.0231	5.0000e-005	0.0172	1.8600e-003	0.0190	8.5000e-003	1.7100e-003	0.0102	0.0000	4.5257	4.5257	1.4600e-003	0.0000	4.5623

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	8.9000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2199	0.2199	1.0000e-005	1.0000e-005	0.2219
Total	9.0000e-005	7.0000e-005	8.9000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2199	0.2199	1.0000e-005	1.0000e-005	0.2219

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
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Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

Category	tons/yr										MT/yr					
Fugitive Dust					6.3600e-003	0.0000	6.3600e-003	3.1500e-003	0.0000	3.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3000e-004	2.7300e-003	0.0273	5.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	4.5257	4.5257	1.4600e-003	0.0000	4.5623
Total	6.3000e-004	2.7300e-003	0.0273	5.0000e-005	6.3600e-003	8.0000e-005	6.4400e-003	3.1500e-003	8.0000e-005	3.2300e-003	0.0000	4.5257	4.5257	1.4600e-003	0.0000	4.5623

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	8.9000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2199	0.2199	1.0000e-005	1.0000e-005	0.2219
Total	9.0000e-005	7.0000e-005	8.9000e-004	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2199	0.2199	1.0000e-005	1.0000e-005	0.2219

3.4 Building Construction - 2022**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
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Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

Category	tons/yr										MT/yr					
Off-Road	0.1912	1.4504	1.4763	2.5600e-003		0.0683	0.0683		0.0660	0.0660	0.0000	210.6292	210.6292	0.0367	0.0000	211.5464
Total	0.1912	1.4504	1.4763	2.5600e-003		0.0683	0.0683		0.0660	0.0660	0.0000	210.6292	210.6292	0.0367	0.0000	211.5464

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	2.3700e-003	0.0641	0.0227	2.6000e-004	8.7800e-003	7.3000e-004	9.5100e-003	2.5300e-003	6.9000e-004	3.2300e-003	0.0000	25.2765	25.2765	6.8000e-004	3.7400e-003	26.4090
Worker	0.0131	0.0103	0.1235	3.3000e-004	0.0382	2.0000e-004	0.0384	0.0101	1.9000e-004	0.0103	0.0000	30.6076	30.6076	8.7000e-004	8.8000e-004	30.8915
Total	0.0155	0.0744	0.1462	5.9000e-004	0.0469	9.3000e-004	0.0479	0.0127	8.8000e-004	0.0136	0.0000	55.8841	55.8841	1.5500e-003	4.6200e-003	57.3006

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					

Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

Off-Road	0.0111	0.0482	0.5310	9.1000e-004		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	79.5643	79.5643	0.0257	0.0000	80.2076
Total	0.0111	0.0482	0.5310	9.1000e-004		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	79.5643	79.5643	0.0257	0.0000	80.2076

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	2.3700e-003	0.0641	0.0227	2.6000e-004	8.7800e-003	7.3000e-004	9.5100e-003	2.5300e-003	6.9000e-004	3.2300e-003	0.0000	25.2765	25.2765	6.8000e-004	3.7400e-003	26.4090
Worker	0.0131	0.0103	0.1235	3.3000e-004	0.0382	2.0000e-004	0.0384	0.0101	1.9000e-004	0.0103	0.0000	30.6076	30.6076	8.7000e-004	8.8000e-004	30.8915
Total	0.0155	0.0744	0.1462	5.9000e-004	0.0469	9.3000e-004	0.0479	0.0127	8.8000e-004	0.0136	0.0000	55.8841	55.8841	1.5500e-003	4.6200e-003	57.3006

3.5 Paving - 2022**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	4.1300e-003	0.0406	0.0528	8.0000e-005		2.0800e-003	2.0800e-003		1.9200e-003	1.9200e-003	0.0000	7.0618	7.0618	2.2400e-003	0.0000	7.1177

Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.1300e-003	0.0406	0.0528	8.0000e-005		2.0800e-003	2.0800e-003		1.9200e-003	1.9200e-003	0.0000	7.0618	7.0618	2.2400e-003	0.0000	7.1177

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.3000e-004	2.7700e-003	1.0000e-005	8.6000e-004	0.0000	8.6000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.6860	0.6860	2.0000e-005	2.0000e-005	0.6924
Total	2.9000e-004	2.3000e-004	2.7700e-003	1.0000e-005	8.6000e-004	0.0000	8.6000e-004	2.3000e-004	0.0000	2.3000e-004	0.0000	0.6860	0.6860	2.0000e-005	2.0000e-005	0.6924

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	9.6000e-004	4.1500e-003	0.0591	8.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	7.0618	7.0618	2.2400e-003	0.0000	7.1177

[illegible]

[illegible]

Montclair - Hotel Growth - San Bernardino-South Coast County, Annual

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

Off-Road	1.8000e-004	7.7000e-004	0.0110	2.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.5320	1.5320	1.0000e-004	0.0000	1.5344
Total	0.3367	7.7000e-004	0.0110	2.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.5320	1.5320	1.0000e-004	0.0000	1.5344

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	1.1000e-004	1.2800e-003	0.0000	3.9000e-004	0.0000	4.0000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.3166	0.3166	1.0000e-005	1.0000e-005	0.3196
Total	1.4000e-004	1.1000e-004	1.2800e-003	0.0000	3.9000e-004	0.0000	4.0000e-004	1.0000e-004	0.0000	1.1000e-004	0.0000	0.3166	0.3166	1.0000e-005	1.0000e-005	0.3196

4.0 Operational Detail - Mobile

Operational Emissions not quantified

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Montclair - Industrial/Flex - Growth
San Bernardino-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	126.67	1000sqft	2.91	126,667.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Based on one year of industrial/flex use

Land Use - See Assumptions

Construction Phase - See Assumptions - Scaled from defaults to fit one year of construction

Off-road Equipment - Defaults used

Trips and VMT - Defaults used

Demolition - Assumes replacement of similar size building

Grading - Defaults used

Vehicle Trips - See Assumptions

Area Coating - Operational Emissions Modeled Separately

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

[illegible]

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	220.00	233.00
tblConstructionPhase	NumDays	10.00	11.00
tblConstructionPhase	NumDays	10.00	11.00
tblLandUse	LandUseSquareFeet	126,670.00	126,667.00

2.0 Emissions Summary**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					
2022	0.8616	2.1593	2.2011	4.5900e-003	0.1751	0.0980	0.2731	0.0444	0.0936	0.1380	0.0000	397.6363	397.6363	0.0604	0.0109	402.3859
Maximum	0.8616	2.1593	2.2011	4.5900e-003	0.1751	0.0980	0.2731	0.0444	0.0936	0.1380	0.0000	397.6363	397.6363	0.0604	0.0109	402.3859

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
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Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

Year	tons/yr										MT/yr					
2022	0.6372	0.2620	1.2933	2.9300e-003	0.1272	4.8000e-003	0.1320	0.0331	4.6900e-003	0.0378	0.0000	265.7543	265.7543	0.0494	0.0109	270.2282
Maximum	0.6372	0.2620	1.2933	2.9300e-003	0.1272	4.8000e-003	0.1320	0.0331	4.6900e-003	0.0378	0.0000	265.7543	265.7543	0.0494	0.0109	270.2282

	ROG	NOx	CO	SO2	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	26.04	87.87	41.24	36.17	27.34	95.10	51.66	25.40	94.99	72.59	0.00	33.17	33.17	18.26	0.00	32.84

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	1.2626	0.6836
2	4-1-2022	6-30-2022	0.5779	0.0659
3	7-1-2022	9-30-2022	0.5843	0.0667
		Highest	1.2626	0.6836

2.2 Overall Operational

Operational Emissions not quantified

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	1/1/2022	1/31/2022	5	21	
2	Grading	Grading	2/1/2022	2/8/2022	5	6	
3	Building Construction	Building Construction	2/9/2022	12/30/2022	5	233	
4	Paving	Paving	2/9/2022	2/23/2022	5	11	
5	Architectural Coating	Architectural Coating	2/9/2022	2/23/2022	5	11	

Acres of Grading (Site Preparation Phase): 0

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Acres of Grading (Grading Phase): 6****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 190,001; Non-Residential Outdoor: 63,334; Striped Parking Area: 0 (Architectural****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
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
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Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

Demolition	5	13.00	0.00	576.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	53.00	21.00	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
Architectural Coating	1	11.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022**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					0.0623	0.0000	0.0623	9.4400e-003	0.0000	9.4400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0177	0.1745	0.1466	2.5000e-004		8.8000e-003	8.8000e-003		8.2200e-003	8.2200e-003	0.0000	22.1316	22.1316	5.6400e-003	0.0000	22.2726
Total	0.0177	0.1745	0.1466	2.5000e-004	0.0623	8.8000e-003	0.0711	9.4400e-003	8.2200e-003	0.0177	0.0000	22.1316	22.1316	5.6400e-003	0.0000	22.2726

Unmitigated Construction Off-Site

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0700e-003	0.0415	0.0103	1.7000e-004	4.9600e-003	4.1000e-004	5.3700e-003	1.3600e-003	3.9000e-004	1.7600e-003	0.0000	16.7386	16.7386	7.2000e-004	2.6500e-003	17.5470
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	4.0000e-004	4.8400e-003	1.0000e-005	1.5000e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.2006	1.2006	3.0000e-005	3.0000e-005	1.2117
Total	1.5800e-003	0.0419	0.0152	1.8000e-004	6.4600e-003	4.2000e-004	6.8700e-003	1.7600e-003	4.0000e-004	2.1600e-003	0.0000	17.9392	17.9392	7.5000e-004	2.6800e-003	18.7587

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					0.0267	0.0000	0.0267	4.0400e-003	0.0000	4.0400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9500e-003	0.0128	0.1545	2.5000e-004		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	22.1315	22.1315	5.6400e-003	0.0000	22.2725
Total	2.9500e-003	0.0128	0.1545	2.5000e-004	0.0267	3.9000e-004	0.0270	4.0400e-003	3.9000e-004	4.4300e-003	0.0000	22.1315	22.1315	5.6400e-003	0.0000	22.2725

Mitigated Construction Off-Site

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0700e-003	0.0415	0.0103	1.7000e-004	4.9600e-003	4.1000e-004	5.3700e-003	1.3600e-003	3.9000e-004	1.7600e-003	0.0000	16.7386	16.7386	7.2000e-004	2.6500e-003	17.5470
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	4.0000e-004	4.8400e-003	1.0000e-005	1.5000e-003	1.0000e-005	1.5000e-003	4.0000e-004	1.0000e-005	4.0000e-004	0.0000	1.2006	1.2006	3.0000e-005	3.0000e-005	1.2117
Total	1.5800e-003	0.0419	0.0152	1.8000e-004	6.4600e-003	4.2000e-004	6.8700e-003	1.7600e-003	4.0000e-004	2.1600e-003	0.0000	17.9392	17.9392	7.5000e-004	2.6800e-003	18.7587

3.3 Grading - 2022**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					0.0213	0.0000	0.0213	0.0103	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6200e-003	0.0510	0.0277	6.0000e-005		2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
Total	4.6200e-003	0.0510	0.0277	6.0000e-005	0.0213	2.2300e-003	0.0235	0.0103	2.0500e-003	0.0123	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747

Unmitigated Construction Off-Site

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	9.0000e-005	1.0600e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2639	0.2639	1.0000e-005	1.0000e-005	0.2663
Total	1.1000e-004	9.0000e-005	1.0600e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2639	0.2639	1.0000e-005	1.0000e-005	0.2663

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0800e-003	0.0000	9.0800e-003	4.3900e-003	0.0000	4.3900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6000e-004	3.2800e-003	0.0327	6.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747
Total	7.6000e-004	3.2800e-003	0.0327	6.0000e-005	9.0800e-003	1.0000e-004	9.1800e-003	4.3900e-003	1.0000e-004	4.4900e-003	0.0000	5.4308	5.4308	1.7600e-003	0.0000	5.4747

Mitigated Construction Off-Site

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	9.0000e-005	1.0600e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2639	0.2639	1.0000e-005	1.0000e-005	0.2663
Total	1.1000e-004	9.0000e-005	1.0600e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2639	0.2639	1.0000e-005	1.0000e-005	0.2663

3.4 Building Construction - 2022**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	0.2162	1.7014	1.6722	2.9200e-003		0.0818	0.0818		0.0784	0.0784	0.0000	241.9473	241.9473	0.0467	0.0000	243.1143
Total	0.2162	1.7014	1.6722	2.9200e-003		0.0818	0.0818		0.0784	0.0784	0.0000	241.9473	241.9473	0.0467	0.0000	243.1143

Unmitigated Construction Off-Site

Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1700e-003	0.1127	0.0400	4.6000e-004	0.0154	1.2800e-003	0.0167	4.4500e-003	1.2200e-003	5.6700e-003	0.0000	44.4245	44.4245	1.2000e-003	6.5800e-003	46.4150
Worker	0.0233	0.0183	0.2191	5.9000e-004	0.0677	3.6000e-004	0.0681	0.0180	3.3000e-004	0.0183	0.0000	54.3066	54.3066	1.5500e-003	1.5600e-003	54.8103
Total	0.0275	0.1310	0.2591	1.0500e-003	0.0831	1.6400e-003	0.0848	0.0224	1.5500e-003	0.0240	0.0000	98.7310	98.7310	2.7500e-003	8.1400e-003	101.2253

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	0.0154	0.0668	0.7443	1.2600e-003		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	110.3174	110.3174	0.0357	0.0000	111.2094
Total	0.0154	0.0668	0.7443	1.2600e-003		2.0600e-003	2.0600e-003		2.0600e-003	2.0600e-003	0.0000	110.3174	110.3174	0.0357	0.0000	111.2094

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
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Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.1700e-003	0.1127	0.0400	4.6000e-004	0.0154	1.2800e-003	0.0167	4.4500e-003	1.2200e-003	5.6700e-003	0.0000	44.4245	44.4245	1.2000e-003	6.5800e-003	46.4150
Worker	0.0233	0.0183	0.2191	5.9000e-004	0.0677	3.6000e-004	0.0681	0.0180	3.3000e-004	0.0183	0.0000	54.3066	54.3066	1.5500e-003	1.5600e-003	54.8103
Total	0.0275	0.1310	0.2591	1.0500e-003	0.0831	1.6400e-003	0.0848	0.0224	1.5500e-003	0.0240	0.0000	98.7310	98.7310	2.7500e-003	8.1400e-003	101.2253

3.5 Paving - 2022**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	5.1800e-003	0.0513	0.0643	1.0000e-004		2.6800e-003	2.6800e-003		2.4700e-003	2.4700e-003	0.0000	8.5305	8.5305	2.7000e-003	0.0000	8.5981
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.1800e-003	0.0513	0.0643	1.0000e-004		2.6800e-003	2.6800e-003		2.4700e-003	2.4700e-003	0.0000	8.5305	8.5305	2.7000e-003	0.0000	8.5981

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
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Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

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	3.1000e-004	2.4000e-004	2.9300e-003	1.0000e-005	9.0000e-004	0.0000	9.1000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7256	0.7256	2.0000e-005	2.0000e-005	0.7323
Total	3.1000e-004	2.4000e-004	2.9300e-003	1.0000e-005	9.0000e-004	0.0000	9.1000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7256	0.7256	2.0000e-005	2.0000e-005	0.7323

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	1.1600e-003	5.0100e-003	0.0714	9.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	8.2785	8.2785	2.6800e-003	0.0000	8.3454
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.1600e-003	5.0100e-003	0.0714	9.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	8.2785	8.2785	2.6800e-003	0.0000	8.3454

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
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Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

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	3.1000e-004	2.4000e-004	2.9300e-003	1.0000e-005	9.0000e-004	0.0000	9.1000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7256	0.7256	2.0000e-005	2.0000e-005	0.7323
Total	3.1000e-004	2.4000e-004	2.9300e-003	1.0000e-005	9.0000e-004	0.0000	9.1000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7256	0.7256	2.0000e-005	2.0000e-005	0.7323

3.6 Architectural Coating - 2022**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	0.5871					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1200e-003	7.7500e-003	9.9700e-003	2.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	1.4043	1.4043	9.0000e-005	0.0000	1.4066
Total	0.5882	7.7500e-003	9.9700e-003	2.0000e-005		4.5000e-004	4.5000e-004		4.5000e-004	4.5000e-004	0.0000	1.4043	1.4043	9.0000e-005	0.0000	1.4066

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
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Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.8000e-004	2.1500e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5321	0.5321	2.0000e-005	2.0000e-005	0.5371
Total	2.3000e-004	1.8000e-004	2.1500e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5321	0.5321	2.0000e-005	2.0000e-005	0.5371

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	0.5871					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6000e-004	7.1000e-004	0.0101	2.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.4043	1.4043	9.0000e-005	0.0000	1.4066
Total	0.5873	7.1000e-004	0.0101	2.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	1.4043	1.4043	9.0000e-005	0.0000	1.4066

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
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Montclair - Industrial/Flex - Growth - San Bernardino-South Coast County, Annual

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

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.8000e-004	2.1500e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5321	0.5321	2.0000e-005	2.0000e-005	0.5371
Total	2.3000e-004	1.8000e-004	2.1500e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5321	0.5321	2.0000e-005	2.0000e-005	0.5371

4.0 Operational Detail - Mobile

Operational Emissions not quantified

Montclair General Office - Growth - San Bernardino-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Montclair General Office - Growth
San Bernardino-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	40.00	1000sqft	0.92	40,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Assumes one year of general office construction

Land Use - See Assumptions

Construction Phase - See Assumptions - Scaled from defaults to fit one year of construction

Off-road Equipment - Default equipment used for all phases

Trips and VMT - Defaults used

Demolition - Assumes replacement of similar size building

Grading - Default assumptions used

Vehicle Trips - See Assumptions

Area Coating - Operational Emissions Modeled Separately

Energy Use - See Assumptions

Water And Wastewater - See Assumptions

Montclair General Office - Growth - San Bernardino-South Coast County, Annual

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

Solid Waste - See Assumptions

Construction Off-road Equipment Mitigation - Mitigation for equipment added but may not be used depending on unmitigated results. Fugitive Dust supports Rule 403

Table Name	Column Name	Default Value	New Value
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	FuelType	Diesel	Electrical
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	NumDays	100.00	213.00

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

tblGrading

AcresOfGrading

3.00

1.50

2.0 Emissions Summary**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					
2022	0.2777	0.9100	0.9449	1.7400e-003	0.0529	0.0457	0.0986	0.0144	0.0423	0.0566	0.0000	155.5845	155.5845	0.0390	3.2400e-003	157.5245
Maximum	0.2777	0.9100	0.9449	1.7400e-003	0.0529	0.0457	0.0986	0.0144	0.0423	0.0566	0.0000	155.5845	155.5845	0.0390	3.2400e-003	157.5245

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					
2022	0.2099	0.1256	1.0121	1.7400e-003	0.0360	2.8700e-003	0.0388	9.7600e-003	2.8400e-003	0.0126	0.0000	155.2406	155.2406	0.0390	3.2400e-003	157.1798
Maximum	0.2099	0.1256	1.0121	1.7400e-003	0.0360	2.8700e-003	0.0388	9.7600e-003	2.8400e-003	0.0126	0.0000	155.2406	155.2406	0.0390	3.2400e-003	157.1798

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	24.44	86.20	-7.11	0.00	31.97	93.73	60.61	32.03	93.28	77.74	0.00	0.22	0.22	0.08	0.00	0.22

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.4785	0.2347
2	4-1-2022	6-30-2022	0.2639	0.0375
3	7-1-2022	9-30-2022	0.2668	0.0379
		Highest	0.4785	0.2347

2.2 Overall Operational

Operational Emissions not quantified

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	1/1/2022	1/31/2022	5	21	
2	Grading	Grading	2/1/2022	2/4/2022	5	4	
3	Building Construction	Building Construction	2/5/2022	11/30/2022	5	213	
4	Paving	Paving	2/5/2022	2/11/2022	5	5	
5	Architectural Coating	Architectural Coating	2/5/2022	2/11/2022	5	5	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 1.5****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 0 (Architectural****OffRoad Equipment**

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

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	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	182.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

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

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022**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					0.0197	0.0000	0.0197	2.9800e-003	0.0000	2.9800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4500e-003	0.0674	0.0784	1.3000e-004		3.5400e-003	3.5400e-003		3.3900e-003	3.3900e-003	0.0000	10.9343	10.9343	2.0200e-003	0.0000	10.9847
Total	7.4500e-003	0.0674	0.0784	1.3000e-004	0.0197	3.5400e-003	0.0232	2.9800e-003	3.3900e-003	6.3700e-003	0.0000	10.9343	10.9343	2.0200e-003	0.0000	10.9847

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	3.4000e-004	0.0131	3.2700e-003	5.0000e-005	1.5700e-003	1.3000e-004	1.7000e-003	4.3000e-004	1.2000e-004	5.6000e-004	0.0000	5.2889	5.2889	2.3000e-004	8.4000e-004	5.5444
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	3.1000e-004	3.7300e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9235	0.9235	3.0000e-005	3.0000e-005	0.9321

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

Total	7.4000e-004	0.0134	7.0000e-003	6.0000e-005	2.7200e-003	1.4000e-004	2.8600e-003	7.4000e-004	1.3000e-004	8.7000e-004	0.0000	6.2125	6.2125	2.6000e-004	8.7000e-004	6.4764
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.4200e-003	0.0000	8.4200e-003	1.2700e-003	0.0000	1.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3900e-003	6.0300e-003	0.0824	1.3000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.9343	10.9343	2.0200e-003	0.0000	10.9847
Total	1.3900e-003	6.0300e-003	0.0824	1.3000e-004	8.4200e-003	1.9000e-004	8.6100e-003	1.2700e-003	1.9000e-004	1.4600e-003	0.0000	10.9343	10.9343	2.0200e-003	0.0000	10.9847

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	3.4000e-004	0.0131	3.2700e-003	5.0000e-005	1.5700e-003	1.3000e-004	1.7000e-003	4.3000e-004	1.2000e-004	5.6000e-004	0.0000	5.2889	5.2889	2.3000e-004	8.4000e-004	5.5444
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	3.1000e-004	3.7300e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.1000e-004	0.0000	0.9235	0.9235	3.0000e-005	3.0000e-005	0.9321

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

Total	7.4000e-004	0.0134	7.0000e-003	6.0000e-005	2.7200e-003	1.4000e-004	2.8600e-003	7.4000e-004	1.3000e-004	8.7000e-004	0.0000	6.2125	6.2125	2.6000e-004	8.7000e-004	6.4764
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3.3 Grading - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1700e-003	0.0240	0.0119	3.0000e-005		1.0300e-003	1.0300e-003		9.5000e-004	9.5000e-004	0.0000	2.4763	2.4763	8.0000e-004	0.0000	2.4963
Total	2.1700e-003	0.0240	0.0119	3.0000e-005	9.8300e-003	1.0300e-003	0.0109	5.0500e-003	9.5000e-004	6.0000e-003	0.0000	2.4763	2.4763	8.0000e-004	0.0000	2.4963

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	6.0000e-005	5.0000e-005	5.7000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1407	0.1407	0.0000	0.0000	0.1420

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

Total	6.0000e-005	5.0000e-005	5.7000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1407	0.1407	0.0000	0.0000	0.1420
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.2000e-003	0.0000	4.2000e-003	2.1600e-003	0.0000	2.1600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4000e-004	1.4900e-003	0.0143	3.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	2.4763	2.4763	8.0000e-004	0.0000	2.4963
Total	3.4000e-004	1.4900e-003	0.0143	3.0000e-005	4.2000e-003	5.0000e-005	4.2500e-003	2.1600e-003	5.0000e-005	2.2100e-003	0.0000	2.4763	2.4763	8.0000e-004	0.0000	2.4963

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	6.0000e-005	5.0000e-005	5.7000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1407	0.1407	0.0000	0.0000	0.1420

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

Total	6.0000e-005	5.0000e-005	5.7000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1407	0.1407	0.0000	0.0000	0.1420
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3.4 Building Construction - 2022**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	0.0731	0.7482	0.7618	1.2100e-003		0.0396	0.0396		0.0364	0.0364	0.0000	106.6573	106.6573	0.0345	0.0000	107.5197
Total	0.0731	0.7482	0.7618	1.2100e-003		0.0396	0.0396		0.0364	0.0364	0.0000	106.6573	106.6573	0.0345	0.0000	107.5197

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	1.2700e-003	0.0343	0.0122	1.4000e-004	4.7000e-003	3.9000e-004	5.0900e-003	1.3600e-003	3.7000e-004	1.7300e-003	0.0000	13.5371	13.5371	3.6000e-004	2.0000e-003	14.1436
Worker	5.2200e-003	4.1000e-003	0.0491	1.3000e-004	0.0152	8.0000e-005	0.0153	4.0300e-003	7.0000e-005	4.1100e-003	0.0000	12.1771	12.1771	3.5000e-004	3.5000e-004	12.2900
Total	6.4900e-003	0.0384	0.0613	2.7000e-004	0.0199	4.7000e-004	0.0204	5.3900e-003	4.4000e-004	5.8400e-003	0.0000	25.7142	25.7142	7.1000e-004	2.3500e-003	26.4337

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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
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.0645	0.8228	1.2100e-003		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	106.6572	106.6572	0.0345	0.0000	107.5195
Total	0.0149	0.0645	0.8228	1.2100e-003		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	106.6572	106.6572	0.0345	0.0000	107.5195

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	1.2700e-003	0.0343	0.0122	1.4000e-004	4.7000e-003	3.9000e-004	5.0900e-003	1.3600e-003	3.7000e-004	1.7300e-003	0.0000	13.5371	13.5371	3.6000e-004	2.0000e-003	14.1436
Worker	5.2200e-003	4.1000e-003	0.0491	1.3000e-004	0.0152	8.0000e-005	0.0153	4.0300e-003	7.0000e-005	4.1100e-003	0.0000	12.1771	12.1771	3.5000e-004	3.5000e-004	12.2900
Total	6.4900e-003	0.0384	0.0613	2.7000e-004	0.0199	4.7000e-004	0.0204	5.3900e-003	4.4000e-004	5.8400e-003	0.0000	25.7142	25.7142	7.1000e-004	2.3500e-003	26.4337

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 2022****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	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.6200e-003	0.0148	0.0176	3.0000e-005		7.4000e-004	7.4000e-004		6.9000e-004	6.9000e-004	0.0000	2.3492	2.3492	6.8000e-004	0.0000	2.3663

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.6000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3958	0.3958	1.0000e-005	1.0000e-005	0.3995
Total	1.7000e-004	1.3000e-004	1.6000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3958	0.3958	1.0000e-005	1.0000e-005	0.3995

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8000e-004	1.2100e-003	0.0173	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.0055	2.0055	6.5000e-004	0.0000	2.0217
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8000e-004	1.2100e-003	0.0173	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	2.0055	2.0055	6.5000e-004	0.0000	2.0217

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.6000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3958	0.3958	1.0000e-005	1.0000e-005	0.3995
Total	1.7000e-004	1.3000e-004	1.6000e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3958	0.3958	1.0000e-005	1.0000e-005	0.3995

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Architectural Coating - 2022****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	0.1854					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.1859	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

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	3.0000e-005	2.0000e-005	2.7000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0660	0.0660	0.0000	0.0000	0.0666
Total	3.0000e-005	2.0000e-005	2.7000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0660	0.0660	0.0000	0.0000	0.0666

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**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	0.1854					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-005	3.2000e-004	4.5800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394
Total	0.1855	3.2000e-004	4.5800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6394

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	3.0000e-005	2.0000e-005	2.7000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0660	0.0660	0.0000	0.0000	0.0666
Total	3.0000e-005	2.0000e-005	2.7000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0660	0.0660	0.0000	0.0000	0.0666

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

4.0 Operational Detail - Mobile

Operational Emissions not quantified

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Montclair -Residential Development Only
San Bernardino-South Coast County, Annual****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	506.00	Dwelling Unit	13.32	506,000.00	1447

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construction of 1 year of residential growth only

Land Use - See Assumptions

Construction Phase - See Assumptions - Scaled from defaults to fit one year of construction

Off-road Equipment - Default equipment used for all phases

Trips and VMT - Defaults Used

Demolition - Based on replacement of unused buildings.

Grading - Default used

Vehicle Trips - See Assumptions.

Woodstoves - Based on SCAQMD's requirement for no wood burning hearths

Energy Use -

Water And Wastewater - See Assumptions.

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

Construction Off-road Equipment Mitigation - Mitigation for equipment added but may not be used depending on unmitigated results. Fugitive Dust supports Rule 403

[illegible]

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	30.00	22.00
tblConstructionPhase	NumDays	300.00	223.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	15.00

2.0 Emissions Summary**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					
2022	2.0130	2.9798	4.0240	9.7600e-003	0.8092	0.1292	0.9384	0.2059	0.1210	0.3270	0.0000	883.5653	883.5653	0.1090	0.0346	896.6117
Maximum	2.0130	2.9798	4.0240	9.7600e-003	0.8092	0.1292	0.9384	0.2059	0.1210	0.3270	0.0000	883.5653	883.5653	0.1090	0.0346	896.6117

Mitigated Construction

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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
Year	tons/yr										MT/yr					
2022	1.7917	0.6913	3.6113	8.7500e-003	0.6372	0.0120	0.6491	0.1660	0.0116	0.1775	0.0000	799.5578	799.5578	0.1034	0.0346	812.4665
Maximum	1.7917	0.6913	3.6113	8.7500e-003	0.6372	0.0120	0.6491	0.1660	0.0116	0.1775	0.0000	799.5578	799.5578	0.1034	0.0346	812.4665

	ROG	NOx	CO	SO2	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	10.99	76.80	10.26	10.35	21.26	90.75	30.83	19.41	90.45	45.71	0.00	9.51	9.51	5.06	0.00	9.38

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	2.8143	1.8763
2	4-1-2022	6-30-2022	0.7247	0.1995
3	7-1-2022	9-30-2022	0.7326	0.2017
		Highest	2.8143	1.8763

2.2 Overall Operational

Operational Emissions not quantified

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	1/1/2022	1/21/2022	5	15	
2	Grading	Grading	1/22/2022	2/22/2022	5	22	
3	Building Construction	Building Construction	2/23/2022	12/30/2022	5	223	
4	Paving	Paving	2/23/2022	3/15/2022	5	15	
5	Architectural Coating	Architectural Coating	2/26/2022	3/18/2022	5	15	

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**Acres of Grading (Site Preparation Phase): 0****Acres of Grading (Grading Phase): 90****Acres of Paving: 0****Residential Indoor: 1,024,650; Residential Outdoor: 341,550; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural****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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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

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	6	15.00	0.00	1,724.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	364.00	54.00	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
Architectural Coating	1	73.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2022**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					0.1865	0.0000	0.1865	0.0282	0.0000	0.0282	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0198	0.1929	0.1545	2.9000e-004		9.3200e-003	9.3200e-003		8.6600e-003	8.6600e-003	0.0000	25.4927	25.4927	7.1600e-003	0.0000	25.6717
Total	0.0198	0.1929	0.1545	2.9000e-004	0.1865	9.3200e-003	0.1959	0.0282	8.6600e-003	0.0369	0.0000	25.4927	25.4927	7.1600e-003	0.0000	25.6717

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	3.2000e-003	0.1242	0.0309	5.1000e-004	0.0149	1.2300e-003	0.0161	4.0800e-003	1.1800e-003	5.2600e-003	0.0000	50.0996	50.0996	2.1400e-003	7.9400e-003	52.5191
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	4.2000e-004	3.3000e-004	3.9900e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9831	0.9831	3.0000e-005	3.0000e-005	0.9923
Total	3.6200e-003	0.1245	0.0349	5.2000e-004	0.0161	1.2400e-003	0.0173	4.4100e-003	1.1900e-003	5.5900e-003	0.0000	51.0827	51.0827	2.1700e-003	7.9700e-003	53.5114

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					0.0797	0.0000	0.0797	0.0121	0.0000	0.0121	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4700e-003	0.0150	0.1746	2.9000e-004		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	25.4926	25.4926	7.1600e-003	0.0000	25.6717
Total	3.4700e-003	0.0150	0.1746	2.9000e-004	0.0797	4.6000e-004	0.0802	0.0121	4.6000e-004	0.0125	0.0000	25.4926	25.4926	7.1600e-003	0.0000	25.6717

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	3.2000e-003	0.1242	0.0309	5.1000e-004	0.0149	1.2300e-003	0.0161	4.0800e-003	1.1800e-003	5.2600e-003	0.0000	50.0996	50.0996	2.1400e-003	7.9400e-003	52.5191
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	4.2000e-004	3.3000e-004	3.9900e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9831	0.9831	3.0000e-005	3.0000e-005	0.9923
Total	3.6200e-003	0.1245	0.0349	5.2000e-004	0.0161	1.2400e-003	0.0173	4.4100e-003	1.1900e-003	5.5900e-003	0.0000	51.0827	51.0827	2.1700e-003	7.9700e-003	53.5114

3.3 Grading - 2022**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					0.1140	0.0000	0.1140	0.0416	0.0000	0.0416	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.4273	0.3195	6.8000e-004		0.0180	0.0180		0.0166	0.0166	0.0000	59.9881	59.9881	0.0194	0.0000	60.4731
Total	0.0399	0.4273	0.3195	6.8000e-004	0.1140	0.0180	0.1320	0.0416	0.0166	0.0581	0.0000	59.9881	59.9881	0.0194	0.0000	60.4731

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	8.3000e-004	6.5000e-004	7.8000e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4300e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.9225	1.9225	6.0000e-005	6.0000e-005	1.9405
Total	8.3000e-004	6.5000e-004	7.8000e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4300e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.9225	1.9225	6.0000e-005	6.0000e-005	1.9405

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					0.0487	0.0000	0.0487	0.0178	0.0000	0.0178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3800e-003	0.0363	0.3630	6.8000e-004		1.1200e-003	1.1200e-003		1.1200e-003	1.1200e-003	0.0000	59.9880	59.9880	0.0194	0.0000	60.4730
Total	8.3800e-003	0.0363	0.3630	6.8000e-004	0.0487	1.1200e-003	0.0498	0.0178	1.1200e-003	0.0189	0.0000	59.9880	59.9880	0.0194	0.0000	60.4730

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**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	8.3000e-004	6.5000e-004	7.8000e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4300e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.9225	1.9225	6.0000e-005	6.0000e-005	1.9405
Total	8.3000e-004	6.5000e-004	7.8000e-003	2.0000e-005	2.4100e-003	1.0000e-005	2.4300e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.9225	1.9225	6.0000e-005	6.0000e-005	1.9405

3.4 Building Construction - 2022**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	0.1903	1.7411	1.8245	3.0000e-003		0.0902	0.0902		0.0849	0.0849	0.0000	258.3737	258.3737	0.0619	0.0000	259.9211
Total	0.1903	1.7411	1.8245	3.0000e-003		0.0902	0.0902		0.0849	0.0849	0.0000	258.3737	258.3737	0.0619	0.0000	259.9211

Unmitigated Construction Off-Site

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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					
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	0.0103	0.2773	0.0983	1.1200e-003	0.0380	3.1400e-003	0.0411	0.0110	3.0000e-003	0.0140	0.0000	109.3316	109.3316	2.9500e-003	0.0162	114.2304
Worker	0.1530	0.1200	1.4382	3.8700e-003	0.4450	2.3800e-003	0.4474	0.1182	2.1900e-003	0.1204	0.0000	354.6709	354.6709	0.0102	0.0103	357.9820
Total	0.1632	0.3974	1.5365	4.9900e-003	0.4830	5.5200e-003	0.4885	0.1292	5.1900e-003	0.1344	0.0000	464.0025	464.0025	0.0131	0.0265	472.2124

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	0.0243	0.1054	1.3276	1.9800e-003		3.2400e-003	3.2400e-003		3.2400e-003	3.2400e-003	0.0000	174.3662	174.3662	0.0564	0.0000	175.7761
Total	0.0243	0.1054	1.3276	1.9800e-003		3.2400e-003	3.2400e-003		3.2400e-003	3.2400e-003	0.0000	174.3662	174.3662	0.0564	0.0000	175.7761

Mitigated Construction Off-Site

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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					
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	0.0103	0.2773	0.0983	1.1200e-003	0.0380	3.1400e-003	0.0411	0.0110	3.0000e-003	0.0140	0.0000	109.3316	109.3316	2.9500e-003	0.0162	114.2304
Worker	0.1530	0.1200	1.4382	3.8700e-003	0.4450	2.3800e-003	0.4474	0.1182	2.1900e-003	0.1204	0.0000	354.6709	354.6709	0.0102	0.0103	357.9820
Total	0.1632	0.3974	1.5365	4.9900e-003	0.4830	5.5200e-003	0.4885	0.1292	5.1900e-003	0.1344	0.0000	464.0025	464.0025	0.0131	0.0265	472.2124

3.5 Paving - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2700e-003	0.0834	0.1094	1.7000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	15.0207	15.0207	4.8600e-003	0.0000	15.1421
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.2700e-003	0.0834	0.1094	1.7000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	15.0207	15.0207	4.8600e-003	0.0000	15.1421

Unmitigated Construction Off-Site

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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					
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	4.2000e-004	3.3000e-004	3.9900e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9831	0.9831	3.0000e-005	3.0000e-005	0.9923
Total	4.2000e-004	3.3000e-004	3.9900e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9831	0.9831	3.0000e-005	3.0000e-005	0.9923

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.1000e-003	9.1200e-003	0.1297	1.7000e-004		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	15.0207	15.0207	4.8600e-003	0.0000	15.1421
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.1000e-003	9.1200e-003	0.1297	1.7000e-004		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	15.0207	15.0207	4.8600e-003	0.0000	15.1421

Mitigated Construction Off-Site

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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					
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	4.2000e-004	3.3000e-004	3.9900e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9831	0.9831	3.0000e-005	3.0000e-005	0.9923
Total	4.2000e-004	3.3000e-004	3.9900e-003	1.0000e-005	1.2300e-003	1.0000e-005	1.2400e-003	3.3000e-004	1.0000e-005	3.3000e-004	0.0000	0.9831	0.9831	3.0000e-005	3.0000e-005	0.9923

3.6 Architectural Coating - 2022**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	1.5831					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5300e-003	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.9149	1.9149	1.2000e-004	0.0000	1.9181
Total	1.5846	0.0106	0.0136	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.9149	1.9149	1.2000e-004	0.0000	1.9181

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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					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0600e-003	1.6200e-003	0.0194	5.0000e-005	6.0000e-003	3.0000e-005	6.0400e-003	1.5900e-003	3.0000e-005	1.6200e-003	0.0000	4.7845	4.7845	1.4000e-004	1.4000e-004	4.8291
Total	2.0600e-003	1.6200e-003	0.0194	5.0000e-005	6.0000e-003	3.0000e-005	6.0400e-003	1.5900e-003	3.0000e-005	1.6200e-003	0.0000	4.7845	4.7845	1.4000e-004	1.4000e-004	4.8291

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	1.5831					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2000e-004	9.7000e-004	0.0137	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.9149	1.9149	1.2000e-004	0.0000	1.9181
Total	1.5833	9.7000e-004	0.0137	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.9149	1.9149	1.2000e-004	0.0000	1.9181

Mitigated Construction Off-Site

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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					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0600e-003	1.6200e-003	0.0194	5.0000e-005	6.0000e-003	3.0000e-005	6.0400e-003	1.5900e-003	3.0000e-005	1.6200e-003	0.0000	4.7845	4.7845	1.4000e-004	1.4000e-004	4.8291
Total	2.0600e-003	1.6200e-003	0.0194	5.0000e-005	6.0000e-003	3.0000e-005	6.0400e-003	1.5900e-003	3.0000e-005	1.6200e-003	0.0000	4.7845	4.7845	1.4000e-004	1.4000e-004	4.8291

4.0 Operational Detail - Mobile

Operational Emissions not quantified