

GHG&Energy Report Tables

Source	County	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes Emissions (million metric tons/year), MMBTU		
		Annual VMT	Annual VMT	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Roadway	LOS ANGELES	83,292,097.055	82,912,308.772	16.0	16.2	254,860,598.2	15.9	16.2	253,698,506.4	-0.1	-0.1	-1,162,091.9
	VENTURA	6,958,738.851	6,938,712.330	1.3	1.3	20,673,569.3	1.3	1.3	20,614,073.0	0.0	0.0	-59,496.4
	ORANGE	26,850,572.843	26,781,493.981	5.0	5.1	79,769,796.1	5.0	5.1	79,564,571.1	0.0	0.0	-205,224.9
	RIVERSIDE	23,854,538.076	23,813,465.919	4.4	4.5	69,835,957.7	4.4	4.4	69,715,715.9	0.0	0.0	-120,241.8
	SAN BERNARDINO	15,485,020.177	15,451,893.425	2.8	2.9	44,998,286.5	2.8	2.9	44,902,022.7	0.0	0.0	-96,263.8
	SANTA BARBARA	981,913.675	965,944.500	0.2	0.2	2,954,529.4	0.2	0.2	2,906,479.0	0.0	0.0	-48,050.5
	Zero	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Regional Total	157,422,880.677	156,863,818.928	29.7	30.1	473,092,737	29.6	30.0	471,401,368	-0.1	-0.1	-1,691,369.3
	Statewide Total	240,475,748.703	238,209,151.397	45.2	45.9	719,630,996.9	44.7	45.4	712,848,135.5	-0.4	-0.4	-6,782,861.4

Source	Area	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes Emissions (million metric tons/year), MMBTU		
		# of Flights	# of Flights	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Planes	Southern California	130,344	107,802	1.1	1.1	15,637,907.7	0.9	0.9	12,933,541.9	-0.2	-0.2	-2,704,365.8
	Statewide	329,614	277,475	2.9	2.9	39,545,267.7	2.4	2.4	33,289,981.2	-0.5	-0.5	-6,255,286.5

Source	Area	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes in Emissions (million metric tons/year), MMBTU		
		Energy Use	Energy Use	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Energy - eGRID	Burbank to Los Angeles			N/A	N/A	N/A	N/A	N/A	N/A	0.0	0.0	13,389.4
	Statewide			N/A	N/A	N/A	N/A	N/A	N/A	0.4	0.4	1,338,940.9

Totals				Total No Build Emissions			Total Build Emissions			Changes in Emissions		
				CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Regional				30.8	31.3	488,730,645.0	30.5	31.0	484,334,909.9	-0.3	-0.3	-4,382,345.6
Statewide				48.0	48.7	759,176,264.6	47.1	47.8	746,138,116.7	-0.5	-0.5	-11,699,207.0

Criteria Report Tables

Source	County	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Annual VMT	Annual VMT	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Roadway	LOS ANGELES	83,292,097.055	82,912,308.772	584	850	42,416	3,239	188	3,881	9,042	1,595	2,369	581	846	42,223	3,224	187	3,864	9,001	1,588	2,354	-3	-4	-193	-15	-1	-18	-41	-7	-11					
	LOS ANGELES	6,958,738.851	6,938,712.330	46	67	3,408	268	16	324	756	133	198	46	67	3,398	267	16	323	754	132	197	0	0	-10	-1	0	-1	-2	0	-1					
	VENTURA	26,850,572.843	26,781,493.981	178	259	13,150	1,034	61	1,249	2,914	512	762	177	258	13,116	1,032	60	1,246	2,906	511	760	0	-1	-34	-3	0	-3	-7	-1	-2					
	ORANGE	26,850,572.843	26,781,493.981	178	259	13,150	1,034	61	1,249	2,914	512	762	177	258	13,116	1,032	60	1,246	2,906	511	760	0	-1	-34	-3	0	-3	-7	-1	-2					
	RIVERSIDE	23,854,538.076	23,813,465.919	153	223	11,384	916	54	1,109	2,587	454	676	153	223	11,365	914	54	1,107	2,582	453	675	0	0	-20	-2	0	-2	-4	-1	-1					
	SAN BERNARDINO	15,485,020.177	15,451,893.425	98	143	7,293	593	35	783	1,737	320	464	98	143	7,278	592	35	781	1,733	320	463	0	0	-16	-1	0	-2	-4	-1	-1					
	SAN BERNARDINO	15,485,020.177	15,451,893.425	98	143	7,293	593	35	783	1,737	320	464	98	143	7,278	592	35	781	1,733	320	463	0	0	-16	-1	0	-2	-4	-1	-1					
	SANTA BARBARA	981,913.675	965,944.500	6	9	406	38	2	50	110	20	29	6	9	399	38	2	49	108	20	29	0	0	-7	-1	0	-1	-2	0	6					
Zero	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Regional Total		157,422,880.677	156,863,818.928	1,065	1,551	78,057	6,089	355	7,395	17,146	3,035	4,498	1,061	1,546	77,778	6,067	354	7,369	17,085	3,024	4,482	-4	-6	-279	-22	-1	-26	-61	-11	-16					
Statewide Total		240,475,748.703	238,209,151.397	1,615	2,353	119,273	9,279	543	11,192	25,805	4,592	6,784	1,600	2,331	118,149	9,191	537	11,087	25,562	4,549	6,720	-15	-22	-1,124	-87	-5	-105	-243	-43	-64					

Source	Area	No Project		Full Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		# of Flights	# of Flights	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Planes	Southern California	130,344	107,802	163	164	1,362	1,341	145	318	41	41	40	135	136	1,127	1,109	120	34	34	33	33	-28	-28	-236	-232	-25	-7	-7	-7	-7					
	Statewide	329,614	277,475	411	415	3,445	3,391	367	103	103	102	102	346	350	2,900	2,855	309	86	86	86	86	-65	-66	-545	-536	-58	-16	-16	-16	-16					

Source	Area	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Energy Use	Energy Use	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Energy	Burbank to Los Angeles			319	1,776	2,830	2,110	114	318	318	316	316	320	1,777	2,831	2,110	114	319	319	316	316	0.1	1.1	1.8	0.5	0.1	0.2	0.2	0.2	0.2					
	Statewide			1,977	18,965	39,934	19,081	2,879	3,606	3,606	3,275	3,275	1,988	19,071	40,110	19,171	2,894	3,626	3,626	3,293	3,293	10.6	106.3	176.4	90.1	14.4	19.5	19.5	17.8	17.8					

Total	Area	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Energy Use	Energy Use	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Regional				1,547	3,492	82,249	9,739	614	7,754	17,505	3,391	4,854	1,515	3,459	81,736	9,487	588	7,721	17,437	3,373	4,831	-32	-33	-513	-253	-26	-33	-68	-18	-23					
	Statewide			4,004	21,732	162,651	31,751	3,789	14,901	29,514	7,969	10,161	3,935	21,571	161,159	31,217	3,740	14,799	29,274	7,927	10,099	-70	18	-1,493	-534	-49	-102	-240	-42	-62					

* With entrained roadway dust

GHG&Energy Report Tables

Source	County	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes Emissions (million metric tons/year), MMBTU		
		Annual VMT	Annual VMT	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Roadway	LOS ANGELES	86,055,909,405	85,124,593,011	13.8	14.0	226,120,675.3	13.7	13.9	223,673,346.5	-0.1	-0.2	-2,447,128.8
	VENTURA	7,085,588,919	7,038,614,902	1.1	1.1	18,349,524.8	1.1	1.1	18,227,876.4	0.0	0.0	-121,648.4
	ORANGE	27,531,689,116	27,346,381,133	4.3	4.4	70,776,918.3	4.3	4.4	70,300,538.9	0.0	0.0	-476,379.3
	RIVERSIDE	28,519,428,527	28,409,565,036	4.4	4.5	72,775,622.3	4.4	4.5	72,495,273.6	0.0	0.0	-280,348.7
	SAN BERNARDINO	18,495,252,023	18,411,900,811	2.9	2.9	47,192,871.9	2.9	2.9	46,980,191.2	0.0	0.0	-212,680.7
	SANTA BARBARA	1,038,912,666	1,005,143,024	0.2	0.2	2,742,740.6	0.2	0.2	2,653,588.3	0.0	0.0	-89,152.2
	Zero	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Regional Total	168,726,780,657	167,336,197,916	26.7	27.1	437,958,353.1	26.5	26.9	434,331,015.1	-0.2	-0.2	-3,627,338.2
Statewide Total		261,252,464,970	256,484,063,423	41.3	41.9	676,564,593.3	40.8	41.5	669,076,952.7	-0.5	-0.5	-7,487,640.5

Source	Area	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes Emissions (million metric tons/year), MMBTU		
		# of Flights	# of Flights	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Planes	Southern California	149,961	101,962	1.3	1.3	17,991,503.2	0.9	0.9	12,232,802.6	-0.4	-0.4	-5,758,700.6
	Statewide	380,189	268,814	3.3	3.3	45,612,947.3	2.3	2.3	32,250,840.4	-1.0	-1.0	-13,362,106.9

Source	Area	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes in Emissions (million metric tons/year), MMBTU		
		Energy Use	Energy Use	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Energy - eGRID	Burbank to Los Angeles	-	-	N/A	N/A	N/A	N/A	N/A	N/A	0.0	0.0	15,681.4
	Statewide	-	-	N/A	N/A	N/A	N/A	N/A	N/A	0.5	0.5	1,568,139.3

Totals	Total No Build Emissions			Total Build Emissions			Changes in Emissions		
	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Regional	28.0	28.4	455,949,856.3	27.4	27.8	446,563,817.6	-0.6	-0.6	-9,370,357.3
Statewide	44.6	45.2	722,177,540.5	43.2	43.8	701,327,793.1	-1.0	-1.0	-19,881,608.1

Criteria Report Tables

Source	County	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Annual VMT	Annual VMT	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Roadway	LOS ANGELES	86,055,909,405	85,124,593,011	336	489	29,217	2,084	161	3,844	9,176	1,553	2,353	332	484	28,901	2,061	159	3,802	9,077	1,536	2,327	-4	-5	-316	-23	-2	-42	-99	-17	-25					
	VENTURA	7,085,588,919	7,038,614,902	27	39	2,349	171	13	316	756	128	194	27	39	2,334	170	13	314	751	127	192	0	0	-16	-1	0	-2	-5	-1	-1					
	ORANGE	27,531,689,116	27,346,381,133	104	151	9,020	664	51	1,229	2,936	496	752	103	150	8,959	660	51	1,221	2,916	493	747	-1	-1	-61	-4	0	-8	-20	-3	-5					
	RIVERSIDE	28,519,428,527	28,409,565,036	106	155	9,230	688	53	1,425	3,192	575	840	106	154	9,195	685	53	1,420	3,180	573	837	0	-1	-36	-3	0	-5	-12	-2	-3					
	SAN BERNARDINO	18,495,252,023	18,411,900,811	69	100	5,915	446	35	825	1,965	333	504	68	100	5,889	444	34	822	1,956	331	502	0	0	-27	-2	0	-4	-9	-4	-2					
	SANTA BARBARA	1,038,912,666	1,005,143,024	4	5	290	25	2	52	116	21	31	4	5	281	24	2	50	112	20	30	0	0	-9	-1	0	-2	-4	-1	-1					
	Zero	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Regional Total	168,726,780,657	167,336,197,916	645	940	56,023	4,078	316	7,692	18,142	3,105	4,673	640	932	55,559	4,044	313	7,629	17,993	3,080	4,635	-5	-8	-464	-34	-3	-63	-149	-25	-38					
Statewide Total		261,252,464,970	256,484,063,423	996	1,451	86,627	6,312	489	11,665	27,540	4,709	7,091	990	1,441	86,063	6,204	480	11,454	27,040	4,626	6,964	-7	-10	-564	-109	-9	-210	-500	-83	-127					

Source	Area	No Project		Full Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		# of Flights	# of Flights	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Planes	Southern California	149,961	101,962	187	189	1,565	1,541	167	47	47	46	46	127	128	1,064	1,048	114	32	32	32	32	-60	-60	-501	-493	-53	-15	-15	-15	-15					
	Statewide	380,189	268,814	474	479	3,968	3,908	423	118	118	118	118	335	338	2,805	2,763	299	84	84	83	83	-139	-140	-1162	-1145	-124	-35	-35	-35	-35					

Source	Area	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Energy Use	Energy Use	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Energy	Burbank to Los Angeles	-	-	321	1,784	2,847	2,317	115	320	320	317	317	321	1,785	2,849	2,318	115	320	320	317	317	0.1	1.2	2.1	1.1	0.2	0.2	0.2	0.2	0.2					
	Statewide	-	-	2,205	20,757	45,146	20,857	3,177	3,921	3,921	3,564	3,564	2,217	20,881	45,353	20,963	3,194	3,944	3,944	3,585	3,585	12.4	124.5	206.6	105.5	16.9	22.8	22.8	20.9	20.9					

Total	Area	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Energy Use	Energy Use	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
	Regional	-	-	1,153	2,912	60,434	7,936	597	8,058	18,508	3,469	5,037	1,088	2,845	59,471	7,410	541	7,981	18,344	3,429	4,984	-65	-67	-963	-526	-56	-78	-164	-40	-53					
	Statewide	-	-	3,675	22,686	135,741	31,077	4,089	15,704	31,580	8,391	10,773	3,542	22,661	134,221	29,929	3,973	15,482	31,068	8,294	10,632	-133	-25	-1520	-1148	-116	-222	-512	-97	-141					

* With entrained roadway dust

GHG&Energy Report Tables

Source	County	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes Emissions (million metric tons/year), MMBTU		
		Annual VMT	Annual VMT	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Roadway	LOS ANGELES	83,292,097.055	82,893,668.109	16.0	16.2	254,860,598.2	15.9	16.2	253,641,468.9	-0.1	-0.1	-1,219,129.3
	VENTURA	6,958,738.851	6,937,566.383	1.3	1.3	20,673,569.3	1.3	1.3	20,610,668.5	0.0	0.0	-62,900.8
	ORANGE	26,850,572.843	26,780,322.358	5.0	5.1	79,769,796.1	5.0	5.1	79,561,090.4	0.0	0.0	-208,705.7
	RIVERSIDE	23,854,538.076	23,812,730.969	4.4	4.5	69,835,957.7	4.4	4.4	69,713,564.3	0.0	0.0	-122,393.5
	SAN BERNARDINO	15,485,020.177	15,450,464.365	2.8	2.9	44,998,286.5	2.8	2.9	44,897,870.0	0.0	0.0	-100,416.5
	SANTA BARBARA	981,913.675	964,885.605	0.2	0.2	2,954,529.4	0.2	0.2	2,903,292.8	0.0	0.0	-51,236.6
	Zero	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Regional Total	157,422,880.677	156,839,637.789	29.7	30.1	473,092,737	29.6	30.0	471,327,955	-0.1	-0.1	-1,764,782.5
	Statewide Total	240,475,748.703	237,883,309.369	45.2	45.9	719,630,996.9	44.7	45.4	711,873,043.3	-0.5	-0.5	-7,757,953.6

Source	Area	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes Emissions (million metric tons/year), MMBTU		
		# of Flights	# of Flights	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Planes	Southern California	130,344	104,874	1.1	1.1	15,637,907.7	0.9	0.9	12,582,172.6	-0.2	-0.2	-3,055,735.1
	Statewide	329,614	270,979	2.9	2.9	39,545,267.7	2.3	2.4	32,510,614.2	-0.5	-0.5	-7,034,653.5

Source	Area	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes in Emissions (million metric tons/year), MMBTU		
		Energy Use	Energy Use	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Energy - eGRID	Burbank to Los Angeles	-	-	N/A	N/A	N/A	N/A	N/A	N/A	0.0	0.0	13,389.4
	Statewide	-	-	N/A	N/A	N/A	N/A	N/A	N/A	0.4	0.4	1,338,940.9

Totals				Total No Build Emissions			Total Build Emissions			Changes in Emissions		
				CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Regional				30.8	31.3	488,730,645.0	30.5	30.9	483,910,127.4	-0.3	-0.3	-4,807,128.1
Statewide				48.0	48.7	759,176,264.6	47.0	47.7	744,383,657.5	-0.6	-0.6	-13,453,666.2

Criteria Report Tables

Source	County	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Annual VMT	Annual VMT	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*		ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*		ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*			
Roadway	LOS ANGELES	83,292,097.055	82,893,668.109	584	850	42,416	3,239	188	3,881	9,042	1,595	2,369	581	846	42,213	3,223	187	3,863	8,999	1,587	2,358	2,369	-3	-4	-203	-15	-1	-19	-43	-8	-11				
	VENTURA	6,958,738.851	6,937,566.383	46	67	3,408	268	16	324	756	133	198	46	67	3,398	267	16	323	753	132	197	198	0	0	-10	-1	0	-1	-2	0	-1				
	ORANGE	26,850,572.843	26,780,322.358	178	259	13,150	1,034	61	1,249	2,914	512	762	177	258	13,115	1,032	60	1,246	2,906	511	760	762	0	-1	-34	-3	0	-3	-8	-1	-2				
	RIVERSIDE	23,854,538.076	23,812,730.969	153	223	11,384	916	54	1,109	2,587	454	676	153	223	11,364	914	54	1,107	2,582	453	675	676	0	-20	-2	0	-2	-5	-1	-1					
	SAN BERNARDINO	15,485,020.177	15,450,464.365	98	143	7,293	593	35	783	1,737	320	464	98	143	7,277	592	35	781	1,733	320	463	464	0	0	-16	-1	0	-2	-4	-1	-3				
	SANTA BARBARA	981,913.675	964,885.605	6	9	406	38	2	50	110	20	29	6	9	398	38	2	49	108	20	29	29	0	0	-7	-1	0	-1	-2	0	-1				
	Zero	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	Regional Total	157,422,880.677	156,839,637.789	1,065	1,551	78,057	6,089	355	7,395	17,146	3,035	4,498	1,061	1,545	77,766	6,066	354	7,368	17,082	3,023	4,481	4,498	-4	-6	-291	-23	-1	-27	-63	-11	-17				
Statewide Total	240,475,748.703	237,883,309.369	1,615	2,353	119,273	9,279	543	11,192	25,805	4,592	6,784	1,598	2,327	117,987	9,179	537	11,072	25,527	4,542	6,711	6,784	-17	-25	-1286	-100	-6	-121	-278	-50	-73					

Source	Area	No Project	Full Build	Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		# of Flights	# of Flights	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*		ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*		ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	
Planes	Southern California	130,344	104,874	163	164	1,362	1,341	145	367	103	41	40	131	132	1,096	1,079	117	33	33	33	33	-32	-32	-266	-262	-28	-8	-8	0	0			
	Statewide	329,614	270,979	411	415	3,445	3,391	367	103	103	102	102	338	341	2,832	2,788	302	84	84	84	84	-73	-74	-613	-603	-65	-18	-18	-18	-18			

Source	Area	No Project	Build	Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Energy Use	Energy Use	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*		ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*		ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	
Energy	Burbank to Los Angeles	-	-	319	1,776	2,830	2,310	114	318	318	316	316	320	1,777	2,831	2,310	114	319	319	316	316	0	0	1	2	1	0	0	0	0	0		
	Statewide	-	-	1,977	18,965	39,934	19,081	2,879	3,606	3,606	3,275	3,275	1,988	19,071	40,110	19,171	2,894	3,626	3,626	3,293	3,293	11	106	176	90	14	19	19	18	18			

Total	Area	No Project	Build	Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Energy Use	Energy Use	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*		ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*		ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	
Regional		-	-	1,547	3,492	82,249	9,279	614	7,754	17,205	3,391	4,854	1,512	3,455	81,693	9,456	585	7,719	17,433	3,372	4,830	4,854	-36	-37	-555	-284	-30	-35	-71	-19	-24		
	Statewide	-	-	4,004	21,733	162,651	31,751	3,789	14,901	29,534	7,969	10,161	3,924	21,740	160,929	31,138	3,732	14,782	29,237	7,919	10,088	10,088	-80	-7	-1722	-613	-57	-119	-277	-50	-73		

* With entrained roadway dust

GHG&Energy Report Tables

Source	County	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes Emissions (million metric tons/year), MMBTU		
		Annual VMT	Annual VMT	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Roadway	LOS ANGELES	86,055,909,405	85,124,593,011	13.8	14.0	226,120,675.3	13.7	13.9	223,673,546.5	-0.1	-0.2	-2,447,128.8
	VENTURA	7,085,588,919	7,038,614,902	1.1	1.1	18,349,524.8	1.1	1.1	18,227,876.4	0.0	0.0	-121,648.4
	ORANGE	27,531,689,116	27,346,381,133	4.3	4.4	70,776,918.3	4.3	4.4	70,300,538.9	0.0	0.0	-476,379.3
	RIVERSIDE	28,519,428,527	28,409,565,036	4.4	4.5	72,775,622.3	4.4	4.5	72,495,273.6	0.0	0.0	-280,348.7
	SAN BERNARDINO	18,495,252,023	18,411,900,811	2.9	2.9	47,192,871.9	2.9	2.9	46,980,191.2	0.0	0.0	-212,680.7
	SANTA BARBARA	1,038,912,666	1,005,143,024	0.2	0.2	2,742,740.6	0.2	0.2	2,653,588.3	0.0	0.0	-89,152.2
	Zero			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Regional Total	168,726,780,657	167,336,197,916	26.7	27.1	437,958,353.1	26.5	26.9	434,331,015	-0.2	-0.2	-3,627,338.2
	Statewide Total	261,252,464,970	256,484,063,423	41.3	41.9	676,564,593.2	40.8	41.5	669,076,952.7	-0.5	-0.5	-7,487,640.5

Source	Area	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes Emissions (million metric tons/year), MMBTU		
		# of Flights	# of Flights	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Planes	Southern California	149,961	101,962	1.3	1.3	17,991,503.2	0.9	0.9	12,232,802.6	-0.4	-0.4	-5,758,700.6
	Statewide	380,189	268,814	3.3	3.3	45,612,947.3	2.3	2.3	32,250,840.4	-1.0	-1.0	-13,362,106.9

Source	Area	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes in Emissions (million metric tons/year), MMBTU		
		Energy Use	Energy Use	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Energy - eGRID	Burbank to Los Angeles			N/A	N/A	N/A	N/A	N/A	N/A	0.0	0.0	15,681.4
	Statewide			N/A	N/A	N/A	N/A	N/A	N/A	0.3	0.3	1,568,139.3

Totals				Total No Build Emissions			Total Build Emissions			Changes in Emissions		
				CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Regional				28.0	28.4	455,949,856.3	27.4	27.8	446,563,817.6	-0.6	-0.6	-9,370,357.3
Statewide				44.6	45.2	722,177,540.5	43.2	43.8	701,327,793.1	-1.0	-1.0	-19,281,608.1

Criteria Report Tables

Source	County	No Project		Build		Total No Build Emissions (short tons/year)								Total Build Emissions (short tons/year)								Changes in Build Emissions (short tons/year)								
		Annual VMT	Annual VMT	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*
Roadway	LOS ANGELES	86,055,909,405	85,124,593,011	336	489	29,217	2,084	161	3,844	9,176	1,553	2,353	332	484	28,901	2,061	159	3,802	9,077	1,536	2,127	-4	-5	-316	-23	-2	-42	-99	-17	-25
	VENTURA	7,085,588,919	7,038,614,902	27	39	2,349	171	13	316	756	128	194	27	39	2,334	170	13	314	751	127	192	0	0	-16	-1	0	-2	-5	-1	-1
	ORANGE	27,531,689,116	27,346,381,133	104	151	9,020	664	51	1,229	2,936	496	752	103	150	8,959	660	51	1,221	2,916	493	747	-1	-1	-61	-4	0	-8	-20	-3	-5
	RIVERSIDE	28,519,428,527	28,409,565,036	106	155	9,230	688	53	1,425	3,192	575	840	106	154	9,195	685	53	1,420	3,180	573	837	0	-1	-36	-3	0	-5	-12	-2	-3
	SAN BERNARDINO	18,495,252,023	18,411,900,811	69	100	5,915	446	35	825	1,965	333	504	68	100	5,889	444	34	823	1,956	331	502	0	0	-27	-2	0	-4	-6	-2	-2
	SANTA BARBARA	1,038,912,666	1,005,143,024	4	5	290	25	2	52	116	21	31	4	5	281	24	2	50	112	20	30	0	0	-9	-1	0	-3	-4	-1	-1
	Zero	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Regional Total	168,726,780,657	167,336,197,916	645	940	56,023	4,078	316	7,692	18,142	3,105	4,673	640	932	55,559	4,044	313	7,629	17,993	3,080	4,635	-5	-8	-464	-34	-3	-63	-149	-25	-38
	Statewide Total	261,252,464,970	256,484,063,423	996	1,451	86,627	6,312	489	11,665	27,540	4,709	7,091	990	1,441	86,063	6,204	480	11,454	27,040	4,626	6,964	-7	-10	-564	-109	-9	-210	-500	-83	-127

Source	Area	No Project		Full Build		Total No Build Emissions (short tons/year)								Total Build Emissions (short tons/year)								Changes in Build Emissions (short tons/year)								
		# of Flights	# of Flights	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*
Planes	Southern California	149,961	101,962	187	189	1,565	1,541	167	47	47	46	46	127	128	1,064	1,048	114	32	32	32	32	-40	-40	-501	-493	-53	-15	-15	-15	-15
	Statewide	380,189	268,814	474	479	3,968	3,908	423	118	118	118	118	335	338	2,805	2,763	299	84	84	83	83	-139	-140	-1162	-1145	-124	-35	-35	-35	-35

Source	Area	No Project		Build		Total No Build Emissions (short tons/year)								Total Build Emissions (short tons/year)								Changes in Build Emissions (short tons/year)								
		Energy Use	Energy Use	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*
Energy	Burbank to Los Angeles			121	1,784	2,847	2,117	115	320	320	317	317	321	1,785	2,849	2,316	115	320	320	317	317	0	1	2	-1	0	0	0	0	0
	Statewide			2,205	20,757	45,146	20,858	3,177	3,921	3,921	3,564	3,564	2,217	20,881	45,353	20,963	3,194	3,944	3,944	3,585	3,585	12	124	207	105	177	23	23	21	21

Total	Area	No Project		Build		Total No Build Emissions (short tons/year)								Total Build Emissions (short tons/year)								Changes in Build Emissions (short tons/year)								
		Energy Use	Energy Use	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*
Regional				1,153	2,912	60,434	7,936	597	8,058	18,508	3,469	5,037	1,088	2,845	59,473	7,410	541	7,981	18,344	3,429	4,984	-65	-67	-963	-526	-56	-78	-164	-40	-53
	Statewide			3,675	22,686	135,741	31,077	4,089	15,704	31,580	8,391	10,773	3,542	22,661	134,221	29,929	3,973	15,482	31,068	8,294	10,632	-133	-25	-1520	-1148	-116	-222	-312	-97	-141

* With entrained roadway dust

Source	County	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes Emissions (million metric tons/year), MMBTU		
		Annual VMT	Annual VMT	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Roadway	LOS ANGELES	84,124,984,453	83,596,457,306	16.2	16.4	257,409,101.5	16.1	16.3	255,791,892.3	-0.1	-0.1	-1,617,209.2
	VENTURA	7,053,048,744	7,024,064,519	1.3	1.3	20,953,752.6	1.3	1.3	20,867,644.0	0.0	0.0	-86,108.6
	ORANGE	27,146,429,700	27,049,528,730	5.1	5.1	80,648,750.8	5.0	5.1	80,360,869.9	0.0	0.0	-287,881.0
	RIVERSIDE	24,151,608,458	24,094,387,910	4.4	4.5	70,705,653.7	4.4	4.5	70,538,136.2	0.0	0.0	-167,517.5
	SAN BERNARDINO	15,653,692,190	15,606,876,889	2.9	2.9	45,488,434.5	2.8	2.9	45,352,392.8	0.0	0.0	-136,041.7
	SANTA BARBARA	1,054,058,771	1,030,577,339	0.2	0.2	3,171,610.4	0.2	0.2	3,100,955.9	0.0	0.0	-70,654.5
	Zero	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Regional Total	159,183,822,315	158,401,892,692	30.0	30.5	478,377,304	29.9	30.3	476,011,891	-0.1	-0.2	-2,365,412.5
Statewide Total		245,782,498,313	242,644,922,069	45.8	46.5	730,189,999.3	45.6	46.3	726,122,314.2	-0.3	-0.3	-4,067,685.0

Source	Area	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes Emissions (million metric tons/year), MMBTU		
		# of Flights	# of Flights	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Planes	Southern California	107,443	82,707	0.931	0.9	12,890,374	0.716	0.7	9,922,688	-0.2	-0.2	-2,967,686.4
	Statewide	273,240	215,599	2.4	2.4	32,781,890	1.9	1.9	25,866,435	-0.5	-0.5	-6,915,455.0

Source	Area	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes in Emissions (million metric tons/year), MMBTU		
		Energy Use	Energy Use	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Energy - eGRID	Burbank to Los Angeles			N/A	N/A	N/A	N/A	N/A	N/A	0.0	0.0	14,728.4
	Statewide			N/A	N/A	N/A	N/A	N/A	N/A	0.4	0.4	1,472,835.0

Totals	Total No Build Emissions			Total Build Emissions			Changes in Emissions		
	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Regional	31.0	31.4	491,267,878.0	30.6	31.1	485,934,579.1	-0.4	-0.4	-5,318,370.5
Statewide	48.2	48.9	762,971,889.6	47.4	48.2	751,988,749.6	-0.3	-0.3	-9,510,305.0

Criteria Report Tables

Source	County	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Annual VMT	Annual VMT	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Roadway	LOS ANGELES	84,124,984,453	83,596,457,306	589	858	42,840	3,271	190	3,920	9,133	1,611	2,393	586	853	42,571	3,251	189	3,896	9,075	1,601	2,378	-4	-5	-269	-21	-1	-25	-57	-10	-15					
	VENTURA	7,053,048,744	7,024,064,519	47	68	3,454	272	16	328	766	135	200	47	68	3,440	271	16	327	763	134	199	0	0	-14	-1	0	-1	-3	-1	-1					
	ORANGE	27,146,429,700	27,049,528,730	180	262	13,295	1,046	61	1,263	2,946	518	770	179	261	13,247	1,042	61	1,258	2,935	516	768	-1	-1	-47	-4	0	-5	-11	-2	-3					
	RIVERSIDE	24,151,608,458	24,094,387,910	155	226	11,526	927	54	1,123	2,619	460	684	155	226	11,499	925	54	1,120	2,613	459	683	0	-1	-27	-2	0	-3	-6	-1	-2					
	SAN BERNARDINO	15,653,692,190	15,606,876,889	99	144	7,373	600	35	791	1,756	324	469	99	144	7,351	598	35	789	1,751	323	467	0	0	-22	-2	0	-2	-5	-1	-1					
	SANTA BARBARA	1,054,058,771	1,030,577,339	7	10	435	41	2	53	118	22	32	6	9	426	40	2	52	115	21	31	0	0	-10	-1	0	-1	-3	0	-1					
	Zero	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Regional Total	159,183,822,315	158,401,892,692	1,077	1,568	78,923	6,157	359	7,478	17,338	3,069	4,548	1,072	1,561	78,533	6,126	357	7,442	17,252	3,054	4,526	-5	-8	-390	-30	-2	-37	-85	-15	-22					
Statewide Total		245,782,498,313	242,644,922,069	1,627	2,370	120,369	9,467	555	11,434	26,370	4,688	6,929	1,630	2,374	120,349	9,362	547	11,293	26,038	4,633	6,846	3	4	-20	-105	-7	-141	-332	-55	-84					
Source	Area	No Project		Full Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		# of Flights	# of Flights	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Planes	Southern California	107,443	82,707	134	135	1,123	1,105	120	33	33	33	33	103	104	864	851	92	26	26	26	26	-31	-31	-259	-254	-28	-8	-8	8	-8					
	Statewide	273,240	215,599	341	344	2,856	2,811	304	85	85	85	85	269	272	2,253	2,218	240	67	67	67	67	-72	-73	-602	-593	-64	-18	-18	-18	-18					
Source	Area	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Energy Use	Energy Use	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Energy	Burbank to Los Angeles			319	1,776	2,830	2,310	114	318	318	316	316	320	1,777	2,832	2,311	114	319	319	316	316	0.1	1.2	1.9	1.0	0.2	0.2	0.2	0.2	0.2					
	Statewide			1,977	18,965	39,934	19,081	2,879	3,606	3,606	3,275	3,275	1,989	19,082	40,128	19,180	2,895	3,628	3,628	3,294	3,294	11.7	116.9	194.1	99.1	15.8	21.4	21.4	19.6	19.6					
Total	Area	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Energy Use	Energy Use	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
	Regional			1,530	3,480	82,875	9,572	593	7,830	17,689	3,418	4,897	1,494	3,442	82,229	9,288	564	7,786	17,597	3,395	4,867	-36	-38	-646	-284	-29	-44	-93	-23	-30					
	Statewide			3,946	21,679	163,158	31,360	3,738	15,126	30,061	8,048	10,289	3,888	21,727	162,730	30,761	3,683	14,988	29,733	7,995	10,207	-58	48	-428	-599	-55	-137	-328	-53	-82					

* With entrained roadway dust

GHG&Energy Report Tables

Source	County	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes Emissions (million metric tons/year), MMBTU		
		Annual VMT	Annual VMT	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Roadway	LOS ANGELES	87,075,870,799	85,788,971,213	14.0	14.2	228,800,727.8	13.8	14.0	225,419,268.0	-0.2	-0.2	-3,381,459.9
	VENTURA	7,181,701,297	7,114,104,631	1.1	1.1	18,462,213.9	1.1	1.1	18,423,371.8	0.0	0.0	-38,942.0
	ORANGE	27,846,004,312	27,585,155,461	4.4	4.4	71,584,942.1	4.3	4.4	70,914,366.5	0.0	0.0	-670,575.6
	RIVERSIDE	29,009,461,048	28,855,696,779	4.5	4.6	74,021,147.6	4.5	4.6	73,628,799.4	0.0	0.0	-392,348.1
	SAN BERNARDINO	18,770,247,920	18,652,421,401	2.9	3.0	47,894,557.2	2.9	2.9	47,593,908.6	0.0	0.0	-300,648.6
	SANTA BARBARA	1,117,778,105	1,069,105,246	0.2	0.2	2,950,946.2	0.2	0.2	2,822,449.3	0.0	0.0	-128,496.9
	Zero	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Regional Total	171,001,063,481	169,065,454,730	27	27	443,714,635	27	27	438,803,164	0	0	-4,912,471
Statewide Total		269,784,125,131	263,228,132,814	42.6	43.3	698,659,003.6	41.6	42.2	681,680,973.3	-1.0	-1.1	-16,978,030.3

Source	Area	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBtu			Changes Emissions (million metric tons/year), MMBTU		
		# of Flights	# of Flights	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Planes	Southern California	162,667	117,437	1.409	1.4	19,515,859	1.017	1.0	14,089,420	-0.4	-0.4	-5,426,438.4
	Statewide	416,659	309,505	3.6	3.6	49,988,443	2.7	2.7	37,132,745	-0.9	-0.9	-12,855,698.6

Source	Area	No Project	Build	Total No Build Emissions (million metric tons/year), MMBTU			Total Build Emissions (million metric tons/year), MMBTU			Changes in Emissions (million metric tons/year), MMBTU		
		Energy Use	Energy Use	CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Energy - eGRID	Burbank to Los Angeles			N/A	N/A	N/A	N/A	N/A	N/A	0.0	0.0	17,249.5
	Statewide			N/A	N/A	N/A	N/A	N/A	N/A	0.5	0.5	1,724,953.2

		Total No Build Emissions			Total Build Emissions			Changes in Emissions		
		CO2	CO2e	Energy	CO2	CO2e	Energy	CO2	CO2e	Energy
Totals		28.5	28.9	463,230,493.5	27.8	28.2	452,891,584.1	-0.7	-0.7	-10,321,659.9
Regional		46.3	46.9	748,647,446.8	44.3	44.9	718,813,717.9	-1.5	-1.5	-29,108,775.7
Statewide										

Criteria Report Tables

Source	County	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Annual VMT	Annual VMT	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Roadway	LOS ANGELES	87,075,870,799	85,788,971,213	340	495	29,563	2,108	163	3,890	9,285	1,571	2,381	335	335	488	29,126	2,077	160	3,832	9,148	1,548	2,346	-5	-7	-437	-31	-2	-57	-137	-23	-35				
	VENTURA	7,181,701,297	7,114,104,631	27	39	2,353	173	13	321	766	129	196	27	40	2,359	172	13	318	759	128	194	0	0	6	-1	0	-3	-7	-1	-2					
	ORANGE	27,846,004,312	27,585,155,461	105	153	9,123	672	52	1,243	2,969	502	761	104	151	9,037	666	52	1,231	2,942	497	752	-1	-1	-85	-6	0	-12	-28	-5	-7					
	RIVERSIDE	29,009,461,048	28,855,696,779	108	157	9,278	700	54	1,294	3,092	522	792	107	156	9,229	696	54	1,288	3,076	519	788	-1	-1	-49	-4	0	-7	-16	-3	-4					
	SAN BERNARDINO	18,770,247,920	18,652,421,401	70	102	6,003	453	35	838	1,994	338	511	69	101	5,966	450	35	832	1,982	336	508	0	-1	-38	-3	0	-5	-13	-2	-3					
	SANTA BARBARA	1,117,778,105	1,069,105,246	4	6	312	27	2	56	125	23	33	4	6	299	25	2	53	119	22	31	0	0	-14	-1	0	-2	-5	-1	-1					
	Zero	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
	Regional Total	171,001,063,481	169,065,454,730	653	951	56,633	4,133	320	7,641	18,231	3,085	4,674	646	941	56,016	4,087	316	7,555	18,025	3,050	4,621	-7	-10	-617	-47	-4	-87	-207	-35	-53					
Statewide Total		269,784,125,131	263,228,132,814	1,029	1,498	89,456	6,518	505	12,045	28,439	4,863	7,323	1,004	1,462	87,282	6,360	492	11,753	27,748	4,745	7,145	-25	-36	-2174	-158	-12	-293	-691	-118	-178					

Source	Area	No Project		Full Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		# of Flights	# of Flights	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Planes	Southern California	162,667	117,437	203	205	1,698	1,672	181	51	51	50	50	147	148	1,226	1,207	131	96	96	96	96	-56	-57	-472	-465	-50	-14	-14	-14	-14					
	Statewide	416,659	309,505	520	525	4,348	4,282	464	129	129	129	129	386	390	3,230	3,181	345	96	96	96	96	-134	-135	-1118	-1101	-119	-33	-33	-33	-33					

Source	Area	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Energy Use	Energy Use	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
Energy	Burbank to Los Angeles			321	1,784	2,847	2,317	115	320	320	317	317	321	1,785	2,849	2,318	115	320	320	317	317	0.1	1.4	2.3	1.2	0.2	0.3	0.3	0.2	0.2					
	Statewide			2,205	20,757	45,146	20,858	3,177	3,921	3,921	3,564	3,564	2,218	20,894	45,373	20,974	3,195	3,946	3,946	3,587	3,587	13.7	136.9	227.3	116.0	18.6	25.1	25.1	23.0	23.0					

Total	Area	No Project		Build		Total No Build Emissions (short tons/year)										Total Build Emissions (short tons/year)										Changes in Build Emissions (short tons/year)									
		Energy Use	Energy Use	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*	ROG	TOG	CO	NOX	SO2	PM10	PM10*	PM2.5	PM2.5*					
	Regional			1,177	2,940	61,177	8,122	616	8,011	18,602	3,452	5,042	1,113	2,874	60,091	7,611	562	7,911	18,381	3,404	4,975	-63	-66	-1087	-510	-54	-100	-220	-49	-67					
	Statewide			3,753	22,779	138,950	31,658	4,145	16,096	32,490	8,556	11,016	3,608	22,745	135,886	30,515	4,032	15,795	31,791	8,428	10,828	-145	-34	-3065	-1144	-113	-301	-699	-128	-187					

* With entrained roadway dust

LAUS 2029 - South Coast Air Basin, Annual

LAUS 2029

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	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)	31
Climate Zone	12			Operational Year	2029
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	653.13	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SB 350 = 50% RPS by 2030

Land Use - Two 1,000 foot platforms (20' wide each based on current platforms) = 40,000 sqft. New parking spaces if excess existing parking spaces

Construction Phase - Earthwork activities for station platform construction already included in B-LA construction emissions (Jacobs).

Off-road Equipment - No construction

Off-road Equipment - The only significant construction equipment for stations would be trucks for hauling construction materials such as concrete and steel reinforcement bars for foundations.

Trips and VMT -

On-road Fugitive Dust -

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Daily vehicle trip data from Tables 4-9 and 4-10 of traffic study (5,912/40 = trip/size/day). Average trip length from TAZ data. Trip %

Construction will be completed in phases as approved by the agency and delivery schedule.

Road Dust -

Area Coating - Assume architectural coatings comply with SCAQMD Rule 1113

Energy Use - CalEEMod Appendix D - Default Data Tables. Unenclosed Parking Structure

Water And Wastewater - Primary station activity by passengers will be restroom use and sewage data is more conservative. Sewer costs are

Solid Waste - Based on CalRecycle tons of waste/employee for "Not Elsewhere Classified" retail sector, including Rail Transportation. LAUS is

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403

Area Mitigation - Assume architectural coatings comply with SCAQMD Rule 1113

Energy Mitigation - Assume that the project would comply with the new 2016 Title 24 standards at a minimum, which is estimated to be 5% more

Water Mitigation - LA Metro Drought Awareness motion (6/25/15), requires 20% reduction of potable water use by 2017 (using 2015 as a baseline).

Waste Mitigation - City of LA 'zero waste' goal by 2025. zero waste = 90% diversion or greater

Fleet Mix - removed medium-heavy duty trucks as commute vehicles

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblEnergyUse	LightingElect	0.00	2.63
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.80
tblFleetMix	LDT1	0.04	0.10
tblFleetMix	LDT2	0.21	0.10
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.7760e-003	0.00
tblFleetMix	MCY	4.8560e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	7.7000e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.1610e-003	0.00
tblFleetMix	SBUS	7.1700e-004	0.00
tblFleetMix	UBUS	1.5090e-003	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	1227.89	653.13

tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblProjectCharacteristics	OperationalYear	2018	2029
tblSolidWaste	SolidWasteGenerationRate	0.00	2.58
tblVehicleTrips	CC_TL	8.40	28.00
tblVehicleTrips	CC_TTP	0.00	75.00
tblVehicleTrips	CNW_TL	6.90	28.00
tblVehicleTrips	CNW_TTP	0.00	20.00
tblVehicleTrips	CW_TL	16.60	28.00
tblVehicleTrips	CW_TTP	0.00	5.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	147.80
tblVehicleTrips	SU_TR	0.00	147.80
tblVehicleTrips	WD_TR	0.00	147.80
tblWater	IndoorWaterUseRate	0.00	28,029.27

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					
2017	0.0234	0.2471	0.1284	3.4000e-004	0.0115	9.2400e-003	0.0208	3.1100e-003	8.5100e-003	0.0116	0.0000	31.3204	31.3204	5.1100e-003	0.0000	31.4481
Maximum	0.0234	0.2471	0.1284	3.4000e-004	0.0115	9.2400e-003	0.0208	3.1100e-003	8.5100e-003	0.0116	0.0000	31.3204	31.3204	5.1100e-003	0.0000	31.4481

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					
2017	0.0234	0.2471	0.1284	3.4000e-004	0.0115	9.2400e-003	0.0208	3.1100e-003	8.5100e-003	0.0116	0.0000	31.3204	31.3204	5.1100e-003	0.0000	31.4481
Maximum	0.0234	0.2471	0.1284	3.4000e-004	0.0115	9.2400e-003	0.0208	3.1100e-003	8.5100e-003	0.0116	0.0000	31.3204	31.3204	5.1100e-003	0.0000	31.4481

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-21-2017	5-20-2017	0.1713	0.1713
2	5-21-2017	8-20-2017	0.0980	0.0980
		Highest	0.1713	0.1713

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1900e-003	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	31.1660	31.1660	7.2000e-004	1.4000e-004	31.2266
Mobile	1.0364	2.3772	32.3683	0.1466	22.4654	0.1076	22.5730	5.9636	0.0990	6.0627	0.0000	13,282.1728	13,282.1728	0.1963	0.0000	13,287.0797
Waste						0.0000	0.0000		0.0000	0.0000	0.5237	0.0000	0.5237	0.0310	0.0000	1.2975
Water						0.0000	0.0000		0.0000	0.0000	8.8900e-003	0.1081	0.1170	9.2000e-004	2.0000e-005	0.1465

Total	1.0396	2.3772	32.3688	0.1466	22.4654	0.1076	22.5730	5.9636	0.0990	6.0627	0.5326	13,313.44 79	13,313.98 05	0.2289	1.6000e- 004	13,319.75 13
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1900e- 003	0.0000	5.1000e- 004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e- 004	9.9000e- 004	0.0000	0.0000	1.0600e- 003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	31.1660	31.1660	7.2000e- 004	1.4000e- 004	31.2266
Mobile	1.0364	2.3772	32.3683	0.1466	22.4654	0.1076	22.5730	5.9636	0.0990	6.0627	0.0000	13,282.17 28	13,282.17 28	0.1963	0.0000	13,287.07 97
Waste						0.0000	0.0000		0.0000	0.0000	0.0524	0.0000	0.0524	3.1000e- 003	0.0000	0.1298
Water						0.0000	0.0000		0.0000	0.0000	7.1100e- 003	0.0865	0.0936	7.3000e- 004	2.0000e- 005	0.1172
Total	1.0396	2.3772	32.3688	0.1466	22.4654	0.1076	22.5730	5.9636	0.0990	6.0627	0.0595	13,313.42 62	13,313.48 57	0.2008	1.6000e- 004	13,318.55 42

	ROG	NOx	CO	SO2	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	88.83	0.00	0.00	12.25	0.00	0.01

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	2/21/2017	7/10/2017	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	4.00	231	0.29

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
Building Construction	1	17.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Building Construction - 2017

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	0.0166	0.1966	0.0704	1.4000e-004		8.7600e-003	8.7600e-003		8.0600e-003	8.0600e-003	0.0000	13.3812	13.3812	4.1000e-003	0.0000	13.4837
Total	0.0166	0.1966	0.0704	1.4000e-004		8.7600e-003	8.7600e-003		8.0600e-003	8.0600e-003	0.0000	13.3812	13.3812	4.1000e-003	0.0000	13.4837

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	1.7400e-003	0.0463	0.0126	9.0000e-005	2.2100e-003	3.9000e-004	2.6000e-003	6.4000e-004	3.8000e-004	1.0100e-003	0.0000	8.7265	8.7265	6.6000e-004	0.0000	8.7430
Worker	5.0700e-003	4.2500e-003	0.0453	1.0000e-004	9.3300e-003	8.0000e-005	9.4000e-003	2.4800e-003	7.0000e-005	2.5500e-003	0.0000	9.2128	9.2128	3.5000e-004	0.0000	9.2215
Total	6.8100e-003	0.0506	0.0579	1.9000e-004	0.0115	4.7000e-004	0.0120	3.1200e-003	4.5000e-004	3.5600e-003	0.0000	17.9392	17.9392	1.0100e-003	0.0000	17.9645

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	0.0166	0.1966	0.0704	1.4000e-004		8.7600e-003	8.7600e-003		8.0600e-003	8.0600e-003	0.0000	13.3812	13.3812	4.1000e-003	0.0000	13.4837
Total	0.0166	0.1966	0.0704	1.4000e-004		8.7600e-003	8.7600e-003		8.0600e-003	8.0600e-003	0.0000	13.3812	13.3812	4.1000e-003	0.0000	13.4837

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	1.7400e-003	0.0463	0.0126	9.0000e-005	2.2100e-003	3.9000e-004	2.6000e-003	6.4000e-004	3.8000e-004	1.0100e-003	0.0000	8.7265	8.7265	6.6000e-004	0.0000	8.7430

Worker	5.0700e-003	4.2500e-003	0.0453	1.0000e-004	9.3300e-003	8.0000e-005	9.4000e-003	2.4800e-003	7.0000e-005	2.5500e-003	0.0000	9.2128	9.2128	3.5000e-004	0.0000	9.2215
Total	6.8100e-003	0.0506	0.0579	1.9000e-004	0.0115	4.7000e-004	0.0120	3.1200e-003	4.5000e-004	3.5600e-003	0.0000	17.9392	17.9392	1.0100e-003	0.0000	17.9645

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0364	2.3772	32.3683	0.1466	22.4654	0.1076	22.5730	5.9636	0.0990	6.0627	0.0000	13,282.1728	13,282.1728	0.1963	0.0000	13,287.0797
Unmitigated	1.0364	2.3772	32.3683	0.1466	22.4654	0.1076	22.5730	5.9636	0.0990	6.0627	0.0000	13,282.1728	13,282.1728	0.1963	0.0000	13,287.0797

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	5,912.00	5,912.00	5912.00	60,255,104	60,255,104
Total	5,912.00	5,912.00	5,912.00	60,255,104	60,255,104

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	28.00	28.00	28.00	5.00	75.00	20.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
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Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	105200	31.1660	7.2000e-004	1.4000e-004	31.2266
Total		31.1660	7.2000e-004	1.4000e-004	31.2266

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			

Other Non-Asphalt Surfaces	105200	31.1660	7.2000e-004	1.4000e-004	31.2266
Total		31.1660	7.2000e-004	1.4000e-004	31.2266

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1900e-003	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Unmitigated	3.1900e-003	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003

6.2 Area by SubCategory

Unmitigated

[illegible]

Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Total	3.2000e-003	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Total	3.2000e-003	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0936	7.3000e-004	2.0000e-005	0.1172
Unmitigated	0.1170	9.2000e-004	2.0000e-005	0.1465

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0.0280293 / 0	0.1170	9.2000e-004	2.0000e-005	0.1465
Total		0.1170	9.2000e-004	2.0000e-005	0.1465

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0.0224234 / 0	0.0936	7.3000e-004	2.0000e-005	0.1172
Total		0.0936	7.3000e-004	2.0000e-005	0.1172

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0524	3.1000e-003	0.0000	0.1298
Unmitigated	0.5237	0.0310	0.0000	1.2975

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	2.58	0.5237	0.0310	0.0000	1.2975
Total		0.5237	0.0310	0.0000	1.2975

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0.258	0.0524	3.1000e-003	0.0000	0.1298
Total		0.0524	3.1000e-003	0.0000	0.1298

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

LAUS 2029 - South Coast Air Basin, Summer

LAUS 2029

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	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)	31
Climate Zone	12	Operational Year	2029		
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	653.13	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SB 350 = 50% RPS by 2030

Land Use - Two 1,000 foot platforms (20' wide each based on current platforms) = 40,000 sqft. New parking spaces if excess existing parking spaces

Construction Phase - Earthwork activities for station platform construction already included in B-LA construction emissions (Jacobs).

Off-road Equipment - No construction

Off-road Equipment - The only significant construction equipment for stations would be trucks for hauling construction materials such as concrete and steel reinforcement bars.

Trips and VMT -

On-road Fugitive Dust -

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Daily vehicle trip data from Tables 4-9 and 4-10 of traffic study (5,912/40 = trip/size/day). Average trip length from TAZ data. Trip % most

trips will be made on express to downtown and downtown to express

Road Dust -

Area Coating - Assume architectural coatings comply with SCAQMD Rule 1113

Energy Use - CalEEMod Appendix D - Default Data Tables. Unenclosed Parking Structure

Water And Wastewater - Primary station activity by passengers will be restroom use and sewage data is more conservative. Sewer costs are estimated

Solid Waste - Based on CalRecycle tons of waste/employee for "Not Elsewhere Classified" retail sector, including Rail Transportation. LAUS is

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403

Area Mitigation - Assume architectural coatings comply with SCAQMD Rule 1113

Energy Mitigation - Assume that the project would comply with the new 2016 Title 24 standards at a minimum, which is estimated to be 5% more

Water Mitigation - LA Metro Drought Awareness motion (6/25/15), requires 20% reduction of potable water use by 2017 (using 2015 as a baseline).

Waste Mitigation - City of LA 'zero waste' goal by 2025. zero waste = 90% diversion or greater

Fleet Mix - removed medium-heavy duty trucks as commute vehicles

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblEnergyUse	LightingElect	0.00	2.63
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.80
tblFleetMix	LDT1	0.04	0.10
tblFleetMix	LDT2	0.21	0.10
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.7760e-003	0.00
tblFleetMix	MCY	4.8560e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	7.7000e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.1610e-003	0.00
tblFleetMix	SBUS	7.1700e-004	0.00
tblFleetMix	UBUS	1.5090e-003	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	1227.89	653.13

tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblProjectCharacteristics	OperationalYear	2018	2029
tblSolidWaste	SolidWasteGenerationRate	0.00	2.58
tblVehicleTrips	CC_TL	8.40	28.00
tblVehicleTrips	CC_TTP	0.00	75.00
tblVehicleTrips	CNW_TL	6.90	28.00
tblVehicleTrips	CNW_TTP	0.00	20.00
tblVehicleTrips	CW_TL	16.60	28.00
tblVehicleTrips	CW_TTP	0.00	5.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	147.80
tblVehicleTrips	SU_TR	0.00	147.80
tblVehicleTrips	WD_TR	0.00	147.80
tblWater	IndoorWaterUseRate	0.00	28,029.27

2.0 Emissions Summary

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					
2017	0.4675	4.9125	2.6143	6.8500e-003	0.2348	0.1847	0.4195	0.0633	0.1702	0.2335	0.0000	702.6301	702.6301	0.1125	0.0000	705.4433
Maximum	0.4675	4.9125	2.6143	6.8500e-003	0.2348	0.1847	0.4195	0.0633	0.1702	0.2335	0.0000	702.6301	702.6301	0.1125	0.0000	705.4433

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					
2017	0.4675	4.9125	2.6143	6.8500e-003	0.2348	0.1847	0.4195	0.0633	0.1702	0.2335	0.0000	702.6301	702.6301	0.1125	0.0000	705.4433
Maximum	0.4675	4.9125	2.6143	6.8500e-003	0.2348	0.1847	0.4195	0.0633	0.1702	0.2335	0.0000	702.6301	702.6301	0.1125	0.0000	705.4433

	ROG	NOx	CO	SO2	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

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	0.0176	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.2664	11.5887	195.8902	0.8480	125.7598	0.5919	126.3517	33.3375	0.5447	33.8822		84,676.6792	84,676.6792	1.2666		84,708.3437
Total	6.2840	11.5887	195.8942	0.8480	125.7598	0.5919	126.3517	33.3375	0.5447	33.8822		84,676.6880	84,676.6880	1.2666	0.0000	84,708.3530

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	0.0176	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	6.2664	11.5887	195.8902	0.8480	125.7598	0.5919	126.3517	33.3375	0.5447	33.8822		84,676.6792	84,676.6792	1.2666		84,708.3437
Total	6.2840	11.5887	195.8942	0.8480	125.7598	0.5919	126.3517	33.3375	0.5447	33.8822		84,676.6880	84,676.6880	1.2666	0.0000	84,708.3530

	ROG	NOx	CO	SO2	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	Building Construction	Building Construction	2/21/2017	7/10/2017	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	4.00	231	0.29

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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Building Construction	1	17.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2017

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	0.3312	3.9316	1.4087	2.8800e-003		0.1753	0.1753		0.1613	0.1613		295.0044	295.0044	0.0904		297.2641
Total	0.3312	3.9316	1.4087	2.8800e-003		0.1753	0.1753		0.1613	0.1613		295.0044	295.0044	0.0904		297.2641

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
Vendor	0.0343	0.9058	0.2396	1.8300e-003	0.0448	7.8500e-003	0.0526	0.0129	7.5100e-003	0.0204		194.5003	194.5003	0.0141		194.8526
Worker	0.1021	0.0752	0.9660	2.1400e-003	0.1900	1.5800e-003	0.1916	0.0504	1.4600e-003	0.0519		213.1254	213.1254	8.0500e-003		213.3266
Total	0.1363	0.9809	1.2057	3.9700e-003	0.2348	9.4300e-003	0.2442	0.0633	8.9700e-003	0.0723		407.6257	407.6257	0.0221		408.1792

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	0.3312	3.9316	1.4087	2.8800e-003		0.1753	0.1753		0.1613	0.1613	0.0000	295.0044	295.0044	0.0904		297.2641
Total	0.3312	3.9316	1.4087	2.8800e-003		0.1753	0.1753		0.1613	0.1613	0.0000	295.0044	295.0044	0.0904		297.2641

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
Vendor	0.0343	0.9058	0.2396	1.8300e-003	0.0448	7.8500e-003	0.0526	0.0129	7.5100e-003	0.0204		194.5003	194.5003	0.0141		194.8526
Worker	0.1021	0.0752	0.9660	2.1400e-003	0.1900	1.5800e-003	0.1916	0.0504	1.4600e-003	0.0519		213.1254	213.1254	8.0500e-003		213.3266
Total	0.1363	0.9809	1.2057	3.9700e-003	0.2348	9.4300e-003	0.2442	0.0633	8.9700e-003	0.0723		407.6257	407.6257	0.0221		408.1792

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	6.2664	11.5887	195.8902	0.8480	125.7598	0.5919	126.3517	33.3375	0.5447	33.8822		84,676.6792	84,676.6792	1.2666		84,708.3437
Unmitigated	6.2664	11.5887	195.8902	0.8480	125.7598	0.5919	126.3517	33.3375	0.5447	33.8822		84,676.6792	84,676.6792	1.2666		84,708.3437

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	5,912.00	5,912.00	5912.00	60,255,104	60,255,104
Total	5,912.00	5,912.00	5,912.00	60,255,104	60,255,104

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	28.00	28.00	28.00	5.00	75.00	20.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.800000	0.100000	0.100000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior
Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0176	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Unmitigated	0.0176	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003

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	3.0500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	3.8000e-004	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Total	0.0176	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003

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	3.0500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Total	0.0176	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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

LAUS 2029 - South Coast Air Basin, Winter

LAUS 2029

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	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)	31
Climate Zone	12	Operational Year	2029		
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	653.13	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SB 350 = 50% RPS by 2030

Land Use - Two 1,000 foot platforms (20' wide each based on current platforms) = 40,000 sqft. New parking spaces if excess existing parking spaces

Construction Phase - Earthwork activities for station platform construction already included in B-LA construction emissions (Jacobs).

Off-road Equipment - No construction

Off-road Equipment - The only significant construction equipment for stations would be trucks for hauling construction materials such as concrete and steel reinforcement bars.

Trips and VMT -

On-road Fugitive Dust -

Demolition -

Grading -

Architectural Coating -

Vehicle Trips - Daily vehicle trip data from Tables 4-9 and 4-10 of traffic study (5,912/40 = trip/size/day). Average trip length from TAZ data. Trip % most

trips will be made on express to downtown and downtown to express

Road Dust -

Area Coating - Assume architectural coatings comply with SCAQMD Rule 1113

Energy Use - CalEEMod Appendix D - Default Data Tables. Unenclosed Parking Structure

Water And Wastewater - Primary station activity by passengers will be restroom use and sewage data is more conservative. Sewer costs are estimated

Solid Waste - Based on CalRecycle tons of waste/employee for "Not Elsewhere Classified" retail sector, including Rail Transportation. LAUS is

Construction Off-road Equipment Mitigation - Dust control measures as required by SCAQMD Rule 403

Area Mitigation - Assume architectural coatings comply with SCAQMD Rule 1113

Energy Mitigation - Assume that the project would comply with the new 2016 Title 24 standards at a minimum, which is estimated to be 5% more

Water Mitigation - LA Metro Drought Awareness motion (6/25/15), requires 20% reduction of potable water use by 2017 (using 2015 as a baseline).

Waste Mitigation - City of LA 'zero waste' goal by 2025. zero waste = 90% diversion or greater

Fleet Mix - removed medium-heavy duty trucks as commute vehicles

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	15
tblEnergyUse	LightingElect	0.00	2.63
tblFleetMix	HHD	0.03	0.00
tblFleetMix	LDA	0.55	0.80
tblFleetMix	LDT1	0.04	0.10
tblFleetMix	LDT2	0.21	0.10
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.7760e-003	0.00
tblFleetMix	MCY	4.8560e-003	0.00
tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	7.7000e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.1610e-003	0.00
tblFleetMix	SBUS	7.1700e-004	0.00
tblFleetMix	UBUS	1.5090e-003	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	1227.89	653.13

tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblProjectCharacteristics	OperationalYear	2018	2029
tblSolidWaste	SolidWasteGenerationRate	0.00	2.58
tblVehicleTrips	CC_TL	8.40	28.00
tblVehicleTrips	CC_TTP	0.00	75.00
tblVehicleTrips	CNW_TL	6.90	28.00
tblVehicleTrips	CNW_TTP	0.00	20.00
tblVehicleTrips	CW_TL	16.60	28.00
tblVehicleTrips	CW_TTP	0.00	5.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	147.80
tblVehicleTrips	SU_TR	0.00	147.80
tblVehicleTrips	WD_TR	0.00	147.80
tblWater	IndoorWaterUseRate	0.00	28,029.27

2.0 Emissions Summary

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					
2017	0.4787	4.9231	2.5569	6.6700e-003	0.2348	0.1848	0.4196	0.0633	0.1703	0.2336	0.0000	684.4319	684.4319	0.1130	0.0000	687.2578
Maximum	0.4787	4.9231	2.5569	6.6700e-003	0.2348	0.1848	0.4196	0.0633	0.1703	0.2336	0.0000	684.4319	684.4319	0.1130	0.0000	687.2578

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					
2017	0.4787	4.9231	2.5569	6.6700e-003	0.2348	0.1848	0.4196	0.0633	0.1703	0.2336	0.0000	684.4319	684.4319	0.1130	0.0000	687.2578
Maximum	0.4787	4.9231	2.5569	6.6700e-003	0.2348	0.1848	0.4196	0.0633	0.1703	0.2336	0.0000	684.4319	684.4319	0.1130	0.0000	687.2578

	ROG	NOx	CO	SO2	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

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	0.0176	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	5.7871	12.6679	172.4487	0.7937	125.7598	0.5919	126.3517	33.3375	0.5447	33.8822		79,271.9554	79,271.9554	1.1684		79,301.1658
Total	5.8047	12.6679	172.4528	0.7937	125.7598	0.5919	126.3517	33.3375	0.5447	33.8822		79,271.9642	79,271.9642	1.1684	0.0000	79,301.1752

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	0.0176	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	5.7871	12.6679	172.4487	0.7937	125.7598	0.5919	126.3517	33.3375	0.5447	33.8822		79,271.9554	79,271.9554	1.1684		79,301.1658
Total	5.8047	12.6679	172.4528	0.7937	125.7598	0.5919	126.3517	33.3375	0.5447	33.8822		79,271.9642	79,271.9642	1.1684	0.0000	79,301.1752

	ROG	NOx	CO	SO2	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	Building Construction	Building Construction	2/21/2017	7/10/2017	5	100	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	4.00	231	0.29

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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Building Construction	1	17.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Building Construction - 2017

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	0.3312	3.9316	1.4087	2.8800e-003		0.1753	0.1753		0.1613	0.1613		295.0044	295.0044	0.0904		297.2641
Total	0.3312	3.9316	1.4087	2.8800e-003		0.1753	0.1753		0.1613	0.1613		295.0044	295.0044	0.0904		297.2641

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
Vendor	0.0357	0.9089	0.2637	1.7800e-003	0.0448	7.9600e-003	0.0528	0.0129	7.6200e-003	0.0205		189.4669	189.4669	0.0151		189.8433
Worker	0.1119	0.0826	0.8846	2.0100e-003	0.1900	1.5800e-003	0.1916	0.0504	1.4600e-003	0.0519		199.9607	199.9607	7.5900e-003		200.1504
Total	0.1475	0.9915	1.1483	3.7900e-003	0.2348	9.5400e-003	0.2444	0.0633	9.0800e-003	0.0724		389.4276	389.4276	0.0227		389.9937

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	0.3312	3.9316	1.4087	2.8800e-003		0.1753	0.1753		0.1613	0.1613	0.0000	295.0044	295.0044	0.0904		297.2641
Total	0.3312	3.9316	1.4087	2.8800e-003		0.1753	0.1753		0.1613	0.1613	0.0000	295.0044	295.0044	0.0904		297.2641

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
Vendor	0.0357	0.9089	0.2637	1.7800e-003	0.0448	7.9600e-003	0.0528	0.0129	7.6200e-003	0.0205		189.4669	189.4669	0.0151		189.8433
Worker	0.1119	0.0826	0.8846	2.0100e-003	0.1900	1.5800e-003	0.1916	0.0504	1.4600e-003	0.0519		199.9607	199.9607	7.5900e-003		200.1504
Total	0.1475	0.9915	1.1483	3.7900e-003	0.2348	9.5400e-003	0.2444	0.0633	9.0800e-003	0.0724		389.4276	389.4276	0.0227		389.9937

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	5.7871	12.6679	172.4487	0.7937	125.7598	0.5919	126.3517	33.3375	0.5447	33.8822		79,271.9554	79,271.9554	1.1684		79,301.1658
Unmitigated	5.7871	12.6679	172.4487	0.7937	125.7598	0.5919	126.3517	33.3375	0.5447	33.8822		79,271.9554	79,271.9554	1.1684		79,301.1658

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	5,912.00	5,912.00	5912.00	60,255,104	60,255,104
Total	5,912.00	5,912.00	5,912.00	60,255,104	60,255,104

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	28.00	28.00	28.00	5.00	75.00	20.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.800000	0.100000	0.100000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0176	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Unmitigated	0.0176	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003

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	3.0500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	3.8000e-004	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Total	0.0176	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003

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	3.0500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Total	0.0176	4.0000e-005	4.0700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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

LAUS 2040 - South Coast Air Basin, Annual

LAUS 2040

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	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)	31
Climate Zone	12			Operational Year	2040
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	653.13	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SB 350 = 50% RPS by 2030

Land Use - Two 1,000 foot platforms (20' wide each based on current platforms) = 40,000 sqft. New parking spaces if excess existing parking spaces

Construction Phase - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Trips and VMT - No construction

On-road Fugitive Dust - No construction

Demolition - No construction

Grading - No construction

Architectural Coating - No construction

Vehicle Trips - Daily vehicle trip data from Tables 4-9 and 4-10 of traffic study (9,647/40 = trip/size/day). Average trip length from TAZ data. Trip %

Road Dust -

Area Coating - Assume architectural coatings comply with SCAQMD Rule 1113

Energy Use - CalEEMod Appendix D - Default Data Tables. Unenclosed Parking Structure

Water And Wastewater - Primary station activity by passengers will be restroom use and sewage data is more conservative. Sewer costs are

Solid Waste - Based on CalRecycle tons of waste/employee for "Not Elsewhere Classified" retail sector, including Rail Transportation. LAUS is

Construction Off-road Equipment Mitigation - No Construction

Area Mitigation - Assume architectural coatings comply with SCAQMD Rule 1113

Energy Mitigation - Assume that the project would comply with the new 2016 Title 24 standards at a minimum, which is estimated to be 5% more

Water Mitigation - LA Metro Drought Awareness motion (6/25/15), requires 20% reduction of potable water use by 2017 (using 2015 as a baseline).

Waste Mitigation - City of LA 'zero waste' goal by 2025. zero waste = 90% diversion or greater

Fleet Mix - removed medium-heavy duty trucks as commute vehicles

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	2,400.00	0.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblEnergyUse	LightingElect	0.00	2.63
tblFleetMix	HHD	0.04	0.00
tblFleetMix	LDA	0.55	0.80
tblFleetMix	LDT1	0.04	0.10
tblFleetMix	LDT2	0.21	0.10
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.7630e-003	0.00
tblFleetMix	MCY	4.8540e-003	0.00

tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	7.2700e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.2420e-003	0.00
tblFleetMix	SBUS	7.1000e-004	0.00
tblFleetMix	UBUS	1.3940e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	1.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	1227.89	653.13
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003

tblProjectCharacteristics	OperationalYear	2018	2040
tblSolidWaste	SolidWasteGenerationRate	0.00	2.58
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	WorkerTripNumber	17.00	0.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	CC_TL	8.40	28.00
tblVehicleTrips	CC_TTP	0.00	75.00
tblVehicleTrips	CNW_TL	6.90	28.00
tblVehicleTrips	CNW_TTP	0.00	20.00
tblVehicleTrips	CW_TL	16.60	28.00
tblVehicleTrips	CW_TTP	0.00	5.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	241.18
tblVehicleTrips	SU_TR	0.00	241.18
tblVehicleTrips	WD_TR	0.00	241.18
tblWater	IndoorWaterUseRate	0.00	28,029.27

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

[illegible]

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					
2017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1900e-003	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	31.1660	31.1660	7.2000e-004	1.4000e-004	31.2266
Mobile	0.8471	2.2294	33.6401	0.2036	36.6591	0.0904	36.7495	9.7315	0.0832	9.8147	0.0000	18,463.8563	18,463.8563	0.1633	0.0000	18,467.9387
Waste						0.0000	0.0000		0.0000	0.0000	0.5237	0.0000	0.5237	0.0310	0.0000	1.2975
Water						0.0000	0.0000		0.0000	0.0000	8.8900e-003	0.1081	0.1170	9.2000e-004	2.0000e-005	0.1465

Total	0.8503	2.2294	33.6406	0.2036	36.6591	0.0904	36.7495	9.7315	0.0832	9.8147	0.5326	18,495.13 15	18,495.66 41	0.1959	1.6000e- 004	18,500.61 03
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Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1900e-003	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	31.1660	31.1660	7.2000e-004	1.4000e-004	31.2266
Mobile	0.8471	2.2294	33.6401	0.2036	36.6591	0.0904	36.7495	9.7315	0.0832	9.8147	0.0000	18,463.8563	18,463.8563	0.1633	0.0000	18,467.9387
Waste						0.0000	0.0000		0.0000	0.0000	0.0524	0.0000	0.0524	3.1000e-003	0.0000	0.1298
Water						0.0000	0.0000		0.0000	0.0000	7.1100e-003	0.0865	0.0936	7.3000e-004	2.0000e-005	0.1172
Total	0.8503	2.2294	33.6406	0.2036	36.6591	0.0904	36.7495	9.7315	0.0832	9.8147	0.0595	18,495.1098	18,495.1693	0.1678	1.6000e-004	18,499.4133

	ROG	NOx	CO	SO2	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	88.83	0.00	0.00	14.31	0.00	0.01

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/21/2017	2/20/2017	5	0	
2	Site Preparation	Site Preparation	2/21/2017	2/20/2017	5	0	
3	Grading	Grading	2/21/2017	2/20/2017	5	0	
4	Building Construction	Building Construction	2/21/2017	2/20/2017	5	0	
5	Paving	Paving	2/21/2017	2/20/2017	5	0	
6	Architectural Coating	Architectural Coating	2/21/2017	2/20/2017	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Graders	0	6.00	187	0.41
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Cranes	0	6.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	6.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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

Clean Paved Roads

3.2 Demolition - 2017

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	0.0000	0.0000	0.0000	0.0000	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	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	tons/yr										MT/yr					

[illegible]

Mitigated Construction On-Site

[illegible]

Mitigated Construction Off-Site

[illegible]

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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	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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

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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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	0.0000	0.0000	0.0000	0.0000	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	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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	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
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[illegible]

Unmitigated Construction On-Site

[illegible]

Unmitigated Construction Off-Site

[illegible]

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	0.0000
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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					
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	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	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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

3.6 Paving - 2017

Unmitigated Construction On-Site

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	0.0000
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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	0.0000	0.0000	0.0000	0.0000	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	0.0000

3.7 Architectural Coating - 2017

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	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	0.0000

Unmitigated Construction Off-Site

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	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	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8471	2.2294	33.6401	0.2036	36.6591	0.0904	36.7495	9.7315	0.0832	9.8147	0.0000	18,463.8563	18,463.8563	0.1633	0.0000	18,467.9387
Unmitigated	0.8471	2.2294	33.6401	0.2036	36.6591	0.0904	36.7495	9.7315	0.0832	9.8147	0.0000	18,463.8563	18,463.8563	0.1633	0.0000	18,467.9387

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	9,647.20	9,647.20	9647.20	98,324,262	98,324,262
Total	9,647.20	9,647.20	9,647.20	98,324,262	98,324,262

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	28.00	28.00	28.00	5.00	75.00	20.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
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Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	105200	31.1660	7.2000e-004	1.4000e-004	31.2266
Total		31.1660	7.2000e-004	1.4000e-004	31.2266

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			

Other Non-Asphalt Surfaces	105200	31.1660	7.2000e-004	1.4000e-004	31.2266
Total		31.1660	7.2000e-004	1.4000e-004	31.2266

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1900e-003	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Unmitigated	3.1900e-003	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003

6.2 Area by SubCategory

Unmitigated

[illegible]

Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Total	3.2000e-003	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.5900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Total	3.2000e-003	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0936	7.3000e-004	2.0000e-005	0.1172
Unmitigated	0.1170	9.2000e-004	2.0000e-005	0.1465

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0.0280293 / 0	0.1170	9.2000e-004	2.0000e-005	0.1465
Total		0.1170	9.2000e-004	2.0000e-005	0.1465

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0.0224234 / 0	0.0936	7.3000e-004	2.0000e-005	0.1172
Total		0.0936	7.3000e-004	2.0000e-005	0.1172

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0524	3.1000e-003	0.0000	0.1298
Unmitigated	0.5237	0.0310	0.0000	1.2975

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	2.58	0.5237	0.0310	0.0000	1.2975
Total		0.5237	0.0310	0.0000	1.2975

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0.258	0.0524	3.1000e-003	0.0000	0.1298
Total		0.0524	3.1000e-003	0.0000	0.1298

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

LAUS 2040 - South Coast Air Basin, Summer

LAUS 2040

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	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)	31
Climate Zone	12	Operational Year	2040		
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	653.13	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SB 350 = 50% RPS by 2030

Land Use - Two 1,000 foot platforms (20' wide each based on current platforms) = 40,000 sqft. New parking spaces if excess existing parking spaces

Construction Phase - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Trips and VMT - No construction

On-road Fugitive Dust - No construction

Demolition - No construction

Grading - No construction

Architectural Coating - No construction

Vehicle Trips - Daily vehicle trip data from Tables 4-9 and 4-10 of traffic study (9,647/40 = trip/size/day). Average trip length from TAZ data. Trip % most

Road Dust -

Area Coating - Assume architectural coatings comply with SCAQMD Rule 1113

Energy Use - CalEEMod Appendix D - Default Data Tables. Unenclosed Parking Structure

Water And Wastewater - Primary station activity by passengers will be restroom use and sewage data is more conservative. Sewer costs are estimated

Solid Waste - Based on CalRecycle tons of waste/employee for "Not Elsewhere Classified" retail sector, including Rail Transportation. LAUS is

Construction Off-road Equipment Mitigation - No Construction

Area Mitigation - Assume architectural coatings comply with SCAQMD Rule 1113

Energy Mitigation - Assume that the project would comply with the new 2016 Title 24 standards at a minimum, which is estimated to be 5% more

Water Mitigation - LA Metro Drought Awareness motion (6/25/15), requires 20% reduction of potable water use by 2017 (using 2015 as a baseline).

Waste Mitigation - City of LA 'zero waste' goal by 2025. zero waste = 90% diversion or greater

Fleet Mix - removed medium-heavy duty trucks as commute vehicles

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	2,400.00	0.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblEnergyUse	LightingElect	0.00	2.63
tblFleetMix	HHD	0.04	0.00
tblFleetMix	LDA	0.55	0.80
tblFleetMix	LDT1	0.04	0.10
tblFleetMix	LDT2	0.21	0.10
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.7630e-003	0.00
tblFleetMix	MCY	4.8540e-003	0.00

tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	7.2700e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.2420e-003	0.00
tblFleetMix	SBUS	7.1000e-004	0.00
tblFleetMix	UBUS	1.3940e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	1.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	1227.89	653.13
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003

tblProjectCharacteristics	OperationalYear	2018	2040
tblSolidWaste	SolidWasteGenerationRate	0.00	2.58
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	WorkerTripNumber	17.00	0.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	CC_TL	8.40	28.00
tblVehicleTrips	CC_TTP	0.00	75.00
tblVehicleTrips	CNW_TL	6.90	28.00
tblVehicleTrips	CNW_TTP	0.00	20.00
tblVehicleTrips	CW_TL	16.60	28.00
tblVehicleTrips	CW_TTP	0.00	5.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	241.18
tblVehicleTrips	SU_TR	0.00	241.18
tblVehicleTrips	WD_TR	0.00	241.18
tblWater	IndoorWaterUseRate	0.00	28,029.27

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

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					
2017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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

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	0.0176	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	5.1193	10.8938	205.2529	1.1793	205.2148	0.4973	205.7121	54.4001	0.4578	54.8579		117,844.7984	117,844.7984	1.0601		117,871.3011
Total	5.1368	10.8939	205.2569	1.1793	205.2148	0.4973	205.7121	54.4001	0.4578	54.8579		117,844.8072	117,844.8072	1.0601	0.0000	117,871.3105

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	0.0176	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	5.1193	10.8938	205.2529	1.1793	205.2148	0.4973	205.7121	54.4001	0.4578	54.8579		117,844.7984	117,844.7984	1.0601		117,871.3011
Total	5.1368	10.8939	205.2569	1.1793	205.2148	0.4973	205.7121	54.4001	0.4578	54.8579		117,844.8072	117,844.8072	1.0601	0.0000	117,871.3105

	ROG	NOx	CO	SO2	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	2/21/2017	2/20/2017	5	0	
2	Site Preparation	Site Preparation	2/21/2017	2/20/2017	5	0	
3	Grading	Grading	2/21/2017	2/20/2017	5	0	
4	Building Construction	Building Construction	2/21/2017	2/20/2017	5	0	
5	Paving	Paving	2/21/2017	2/20/2017	5	0	
6	Architectural Coating	Architectural Coating	2/21/2017	2/20/2017	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Graders	0	6.00	187	0.41
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Cranes	0	6.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	6.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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

Clean Paved Roads

3.2 Demolition - 2017

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	0.0000	0.0000	0.0000	0.0000	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	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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

Mitigated Construction On-Site

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	0.0000
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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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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	0.0000

Mitigated Construction Off-Site

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	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	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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	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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

3.5 Building Construction - 2017

Unmitigated Construction On-Site

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	0.0000
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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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

3.6 Paving - 2017

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000

Unmitigated Construction Off-Site

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	0.0000	0.0000	0.0000	0.0000	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	0.0000

3.7 Architectural Coating - 2017

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	0.0000	0.0000	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	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	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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

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	0.0000	0.0000	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	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	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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

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	5.1193	10.8938	205.2529	1.1793	205.2148	0.4973	205.7121	54.4001	0.4578	54.8579		117,844.7984	117,844.7984	1.0601		117,871.3011
Unmitigated	5.1193	10.8938	205.2529	1.1793	205.2148	0.4973	205.7121	54.4001	0.4578	54.8579		117,844.7984	117,844.7984	1.0601		117,871.3011

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	9,647.20	9,647.20	9647.20	98,324,262	98,324,262
Total	9,647.20	9,647.20	9,647.20	98,324,262	98,324,262

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	28.00	28.00	28.00	5.00	75.00	20.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.800000	0.100000	0.100000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior
Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0176	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Unmitigated	0.0176	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003

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	3.0500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7000e-004	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Total	0.0176	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003

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	3.0500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7000e-004	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Total	0.0176	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

LAUS 2040 - South Coast Air Basin, Winter

LAUS 2040

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	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)	31
Climate Zone	12			Operational Year	2040
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	653.13	CH4 Intensity (lb/MW hr)	0.015	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SB 350 = 50% RPS by 2030

Land Use - Two 1,000 foot platforms (20' wide each based on current platforms) = 40,000 sqft. New parking spaces if excess existing parking spaces

Construction Phase - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Off-road Equipment - No construction

Trips and VMT - No construction

On-road Fugitive Dust - No construction

Demolition - No construction

Grading - No construction

Architectural Coating - No construction

Vehicle Trips - Daily vehicle trip data from Tables 4-9 and 4-10 of traffic study (9,647/40 = trip/size/day). Average trip length from TAZ data. Trip % most

Road Dust -

Area Coating - Assume architectural coatings comply with SCAQMD Rule 1113

Energy Use - CalEEMod Appendix D - Default Data Tables. Unenclosed Parking Structure

Water And Wastewater - Primary station activity by passengers will be restroom use and sewage data is more conservative. Sewer costs are estimated

Solid Waste - Based on CalRecycle tons of waste/employee for "Not Elsewhere Classified" retail sector, including Rail Transportation. LAUS is

Construction Off-road Equipment Mitigation - No Construction

Area Mitigation - Assume architectural coatings comply with SCAQMD Rule 1113

Energy Mitigation - Assume that the project would comply with the new 2016 Title 24 standards at a minimum, which is estimated to be 5% more

Water Mitigation - LA Metro Drought Awareness motion (6/25/15), requires 20% reduction of potable water use by 2017 (using 2015 as a baseline).

Waste Mitigation - City of LA 'zero waste' goal by 2025. zero waste = 90% diversion or greater

Fleet Mix - removed medium-heavy duty trucks as commute vehicles

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	2,400.00	0.00
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblEnergyUse	LightingElect	0.00	2.63
tblFleetMix	HHD	0.04	0.00
tblFleetMix	LDA	0.55	0.80
tblFleetMix	LDT1	0.04	0.10
tblFleetMix	LDT2	0.21	0.10
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	5.7630e-003	0.00
tblFleetMix	MCY	4.8540e-003	0.00

tblFleetMix	MDV	0.11	0.00
tblFleetMix	MH	7.2700e-004	0.00
tblFleetMix	MHD	0.02	0.00
tblFleetMix	OBUS	2.2420e-003	0.00
tblFleetMix	SBUS	7.1000e-004	0.00
tblFleetMix	UBUS	1.3940e-003	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	4.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	1.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.015
tblProjectCharacteristics	CO2IntensityFactor	1227.89	653.13
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003

tblProjectCharacteristics	OperationalYear	2018	2040
tblSolidWaste	SolidWasteGenerationRate	0.00	2.58
tblTripsAndVMT	VendorTripNumber	7.00	0.00
tblTripsAndVMT	WorkerTripNumber	17.00	0.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	CC_TL	8.40	28.00
tblVehicleTrips	CC_TTP	0.00	75.00
tblVehicleTrips	CNW_TL	6.90	28.00
tblVehicleTrips	CNW_TTP	0.00	20.00
tblVehicleTrips	CW_TL	16.60	28.00
tblVehicleTrips	CW_TTP	0.00	5.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	241.18
tblVehicleTrips	SU_TR	0.00	241.18
tblVehicleTrips	WD_TR	0.00	241.18
tblWater	IndoorWaterUseRate	0.00	28,029.27

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

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					
2017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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

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	0.0176	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	4.7270	11.8596	178.8980	1.1022	205.2148	0.4973	205.7121	54.4001	0.4578	54.8579		110,187.4490	110,187.4490	0.9707		110,211.7174
Total	4.7446	11.8597	178.9020	1.1022	205.2148	0.4973	205.7121	54.4001	0.4578	54.8579		110,187.4577	110,187.4577	0.9708	0.0000	110,211.7267

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	0.0176	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	4.7270	11.8596	178.8980	1.1022	205.2148	0.4973	205.7121	54.4001	0.4578	54.8579		110,187.490	110,187.490	0.9707		110,211.7174
Total	4.7446	11.8597	178.9020	1.1022	205.2148	0.4973	205.7121	54.4001	0.4578	54.8579		110,187.4577	110,187.4577	0.9708	0.0000	110,211.7267

	ROG	NOx	CO	SO2	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	2/21/2017	2/20/2017	5	0	
2	Site Preparation	Site Preparation	2/21/2017	2/20/2017	5	0	
3	Grading	Grading	2/21/2017	2/20/2017	5	0	
4	Building Construction	Building Construction	2/21/2017	2/20/2017	5	0	
5	Paving	Paving	2/21/2017	2/20/2017	5	0	
6	Architectural Coating	Architectural Coating	2/21/2017	2/20/2017	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.92

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Graders	0	6.00	187	0.41
Grading	Rubber Tired Dozers	0	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Cranes	0	6.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	6.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	8.00	97	0.37
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
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
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

Clean Paved Roads

3.2 Demolition - 2017

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	0.0000	0.0000	0.0000	0.0000	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	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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

Mitigated Construction On-Site

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	0.0000
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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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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	0.0000

Mitigated Construction Off-Site

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	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	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	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	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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

3.5 Building Construction - 2017

Unmitigated Construction On-Site

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	0.0000
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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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

3.6 Paving - 2017

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000

Unmitigated Construction Off-Site

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	0.0000	0.0000	0.0000	0.0000	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	0.0000

3.7 Architectural Coating - 2017

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	0.0000	0.0000	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	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	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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

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	0.0000	0.0000	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	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	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	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	0.0000	0.0000	0.0000	0.0000	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	0.0000

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	4.7270	11.8596	178.8980	1.1022	205.2148	0.4973	205.7121	54.4001	0.4578	54.8579		110,187.4 490	110,187.4 490	0.9707		110,211.7 174
Unmitigated	4.7270	11.8596	178.8980	1.1022	205.2148	0.4973	205.7121	54.4001	0.4578	54.8579		110,187.4 490	110,187.4 490	0.9707		110,211.7 174

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	9,647.20	9,647.20	9647.20	98,324,262	98,324,262
Total	9,647.20	9,647.20	9,647.20	98,324,262	98,324,262

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	28.00	28.00	28.00	5.00	75.00	20.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.800000	0.100000	0.100000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior
Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0176	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Unmitigated	0.0176	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003

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	3.0500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7000e-004	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Total	0.0176	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003

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	3.0500e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0142					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.7000e-004	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003
Total	0.0176	4.0000e-005	4.0600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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

Burbank

Operational Emissions

	Operational Year	Tons per year										Metric tons per year				
		ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	PM10T	PM2.5T	SO2	CO2	CH4	N2O	CO2e	
Annual	2029	0	2	5	0	0	1	0	1	0	0	2076	0	0	2090	2289 tons/yr
	2040	0	2	3	0	0	1	0	1	0	0	1935	0	0	1948	2133 tons/yr
		Pounds per day										Pounds per day				
		ROG	NOX	CO	PM10	PM2.5	PM10 D	PM2.5 D	PM10T	PM2.5T	SO2	CO2	CH4	N2O	CO2e	
Summer	2029	4	15	37	0	0	9	2	9	3	0	16475	1	0	16493	
	2040	3	15	27	0	0	9	2	9	3	0	15216	1	0	15231	